

Program EVALPLOT
(Version 2015-2)

by

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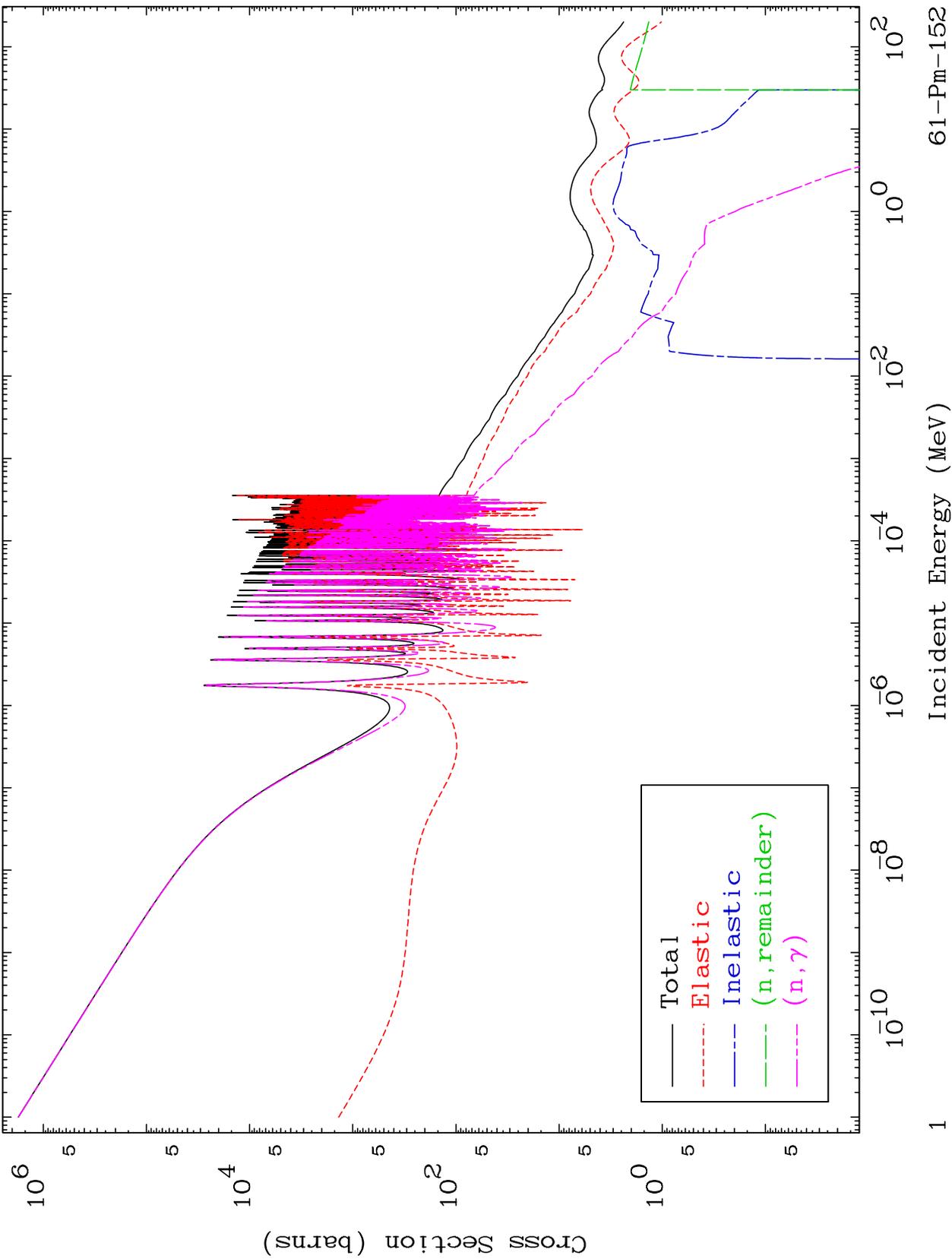
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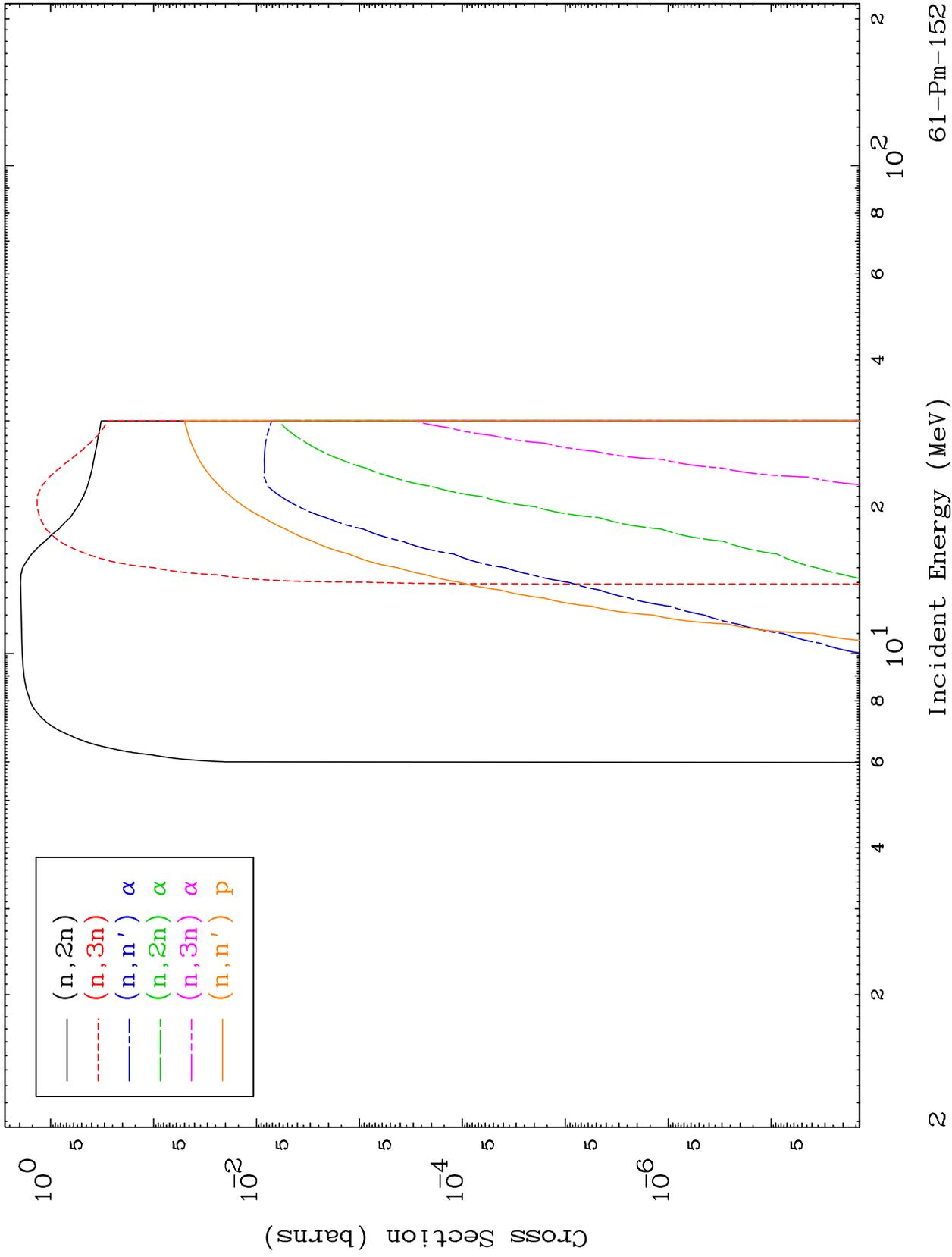
MAT 6164

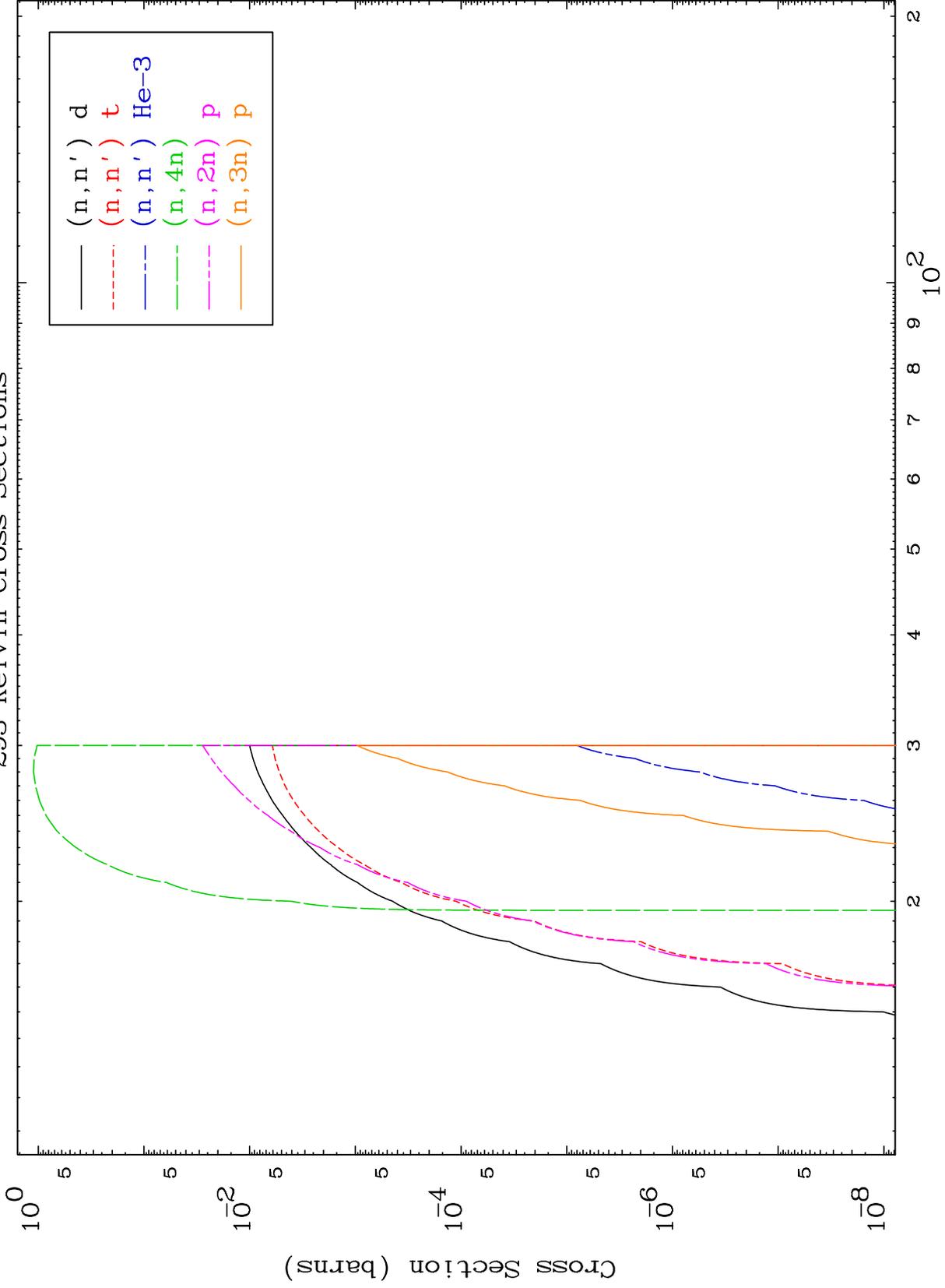
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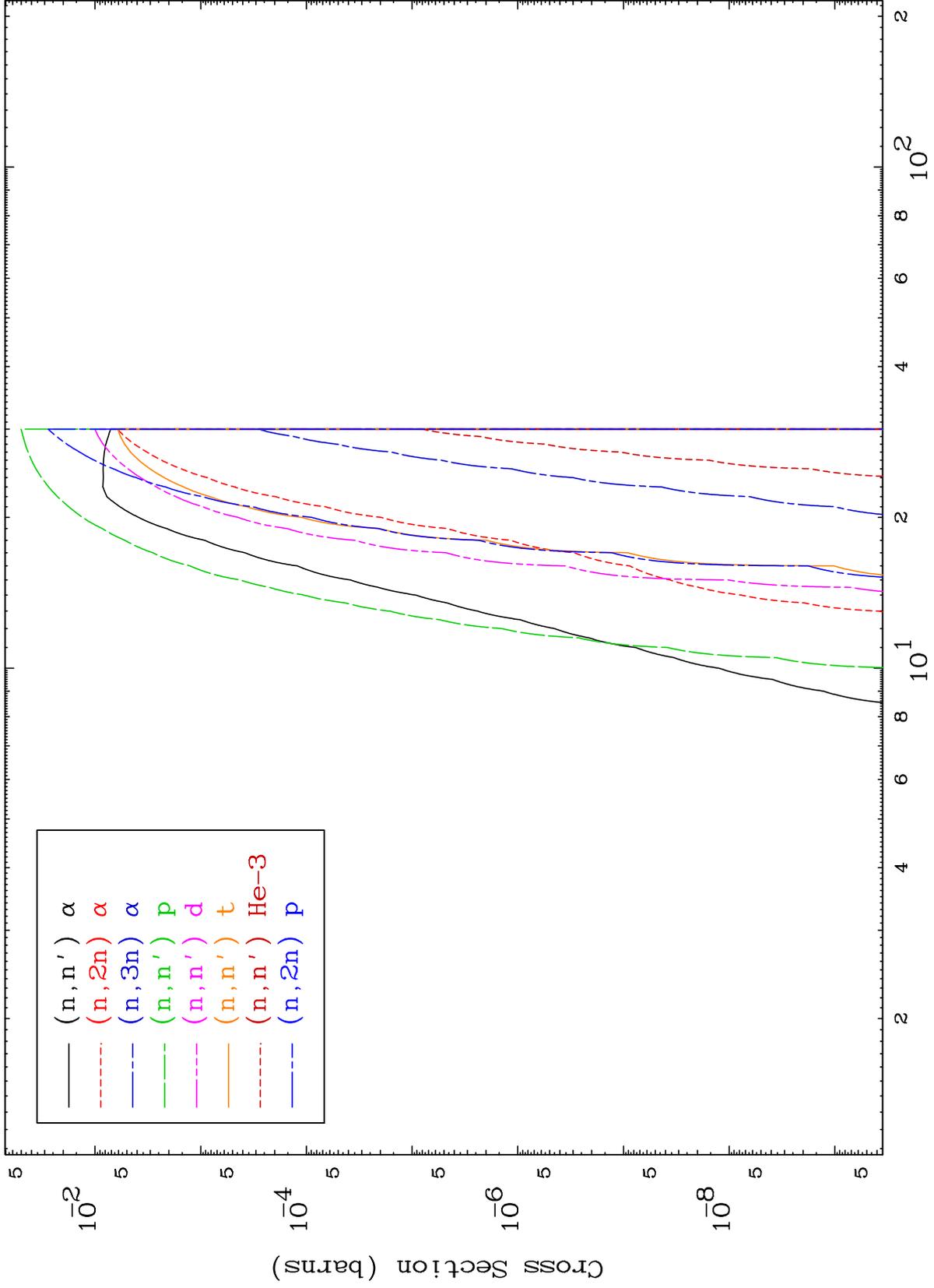
293 Kelvin Cross Sections

61-Pm-152





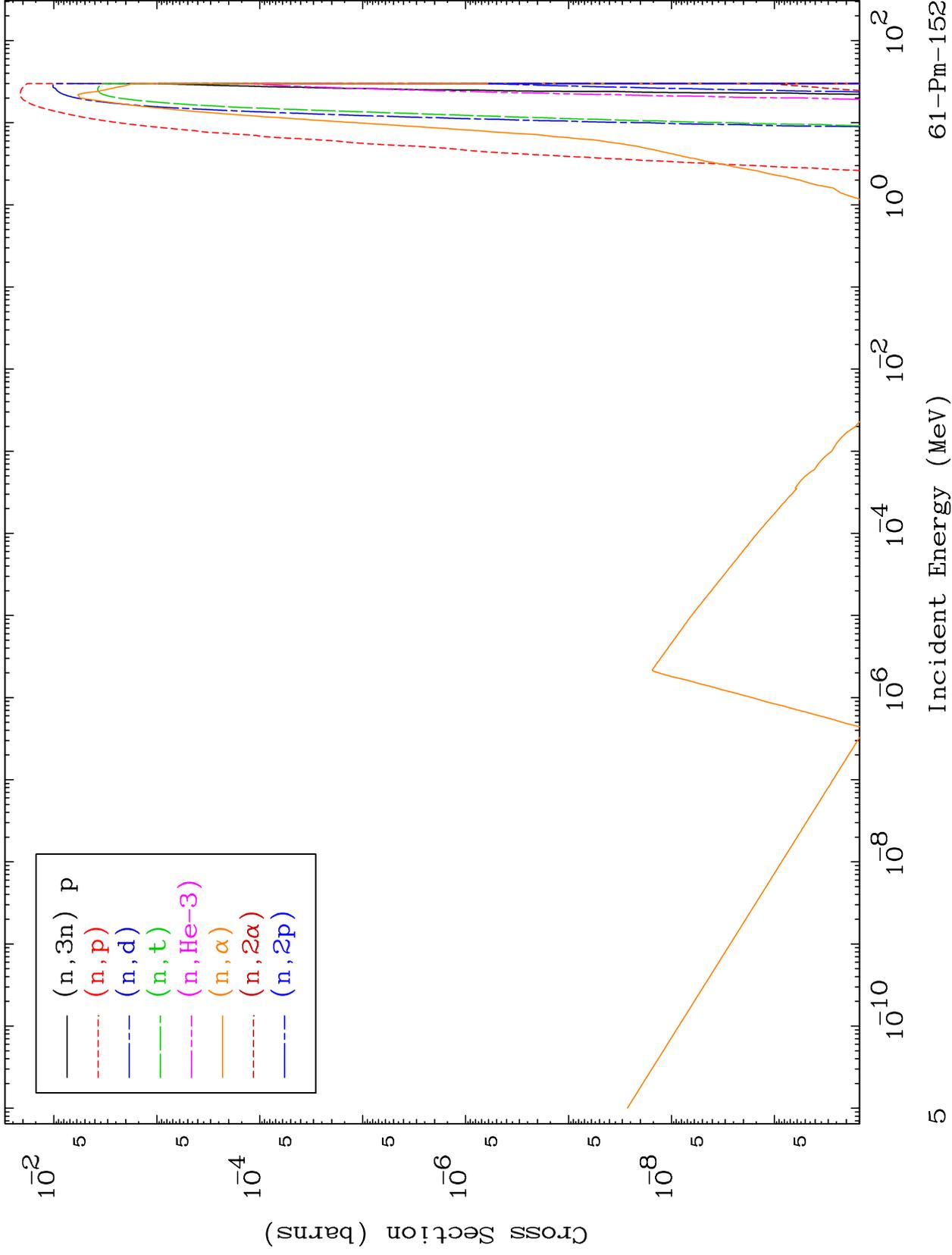


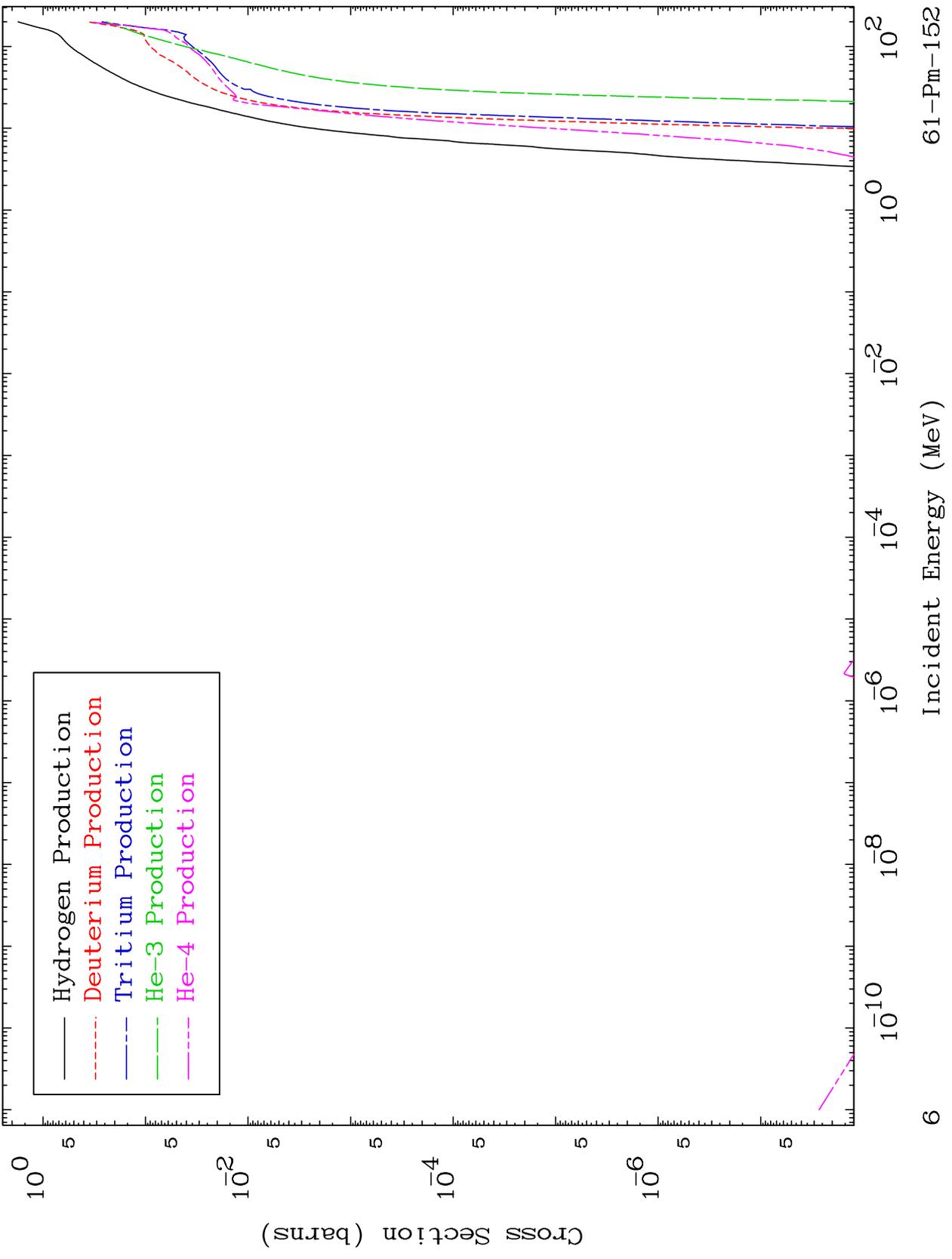


MAT 6164

Charged Particle
293 Kelvin Cross Sections

61-Pm-152



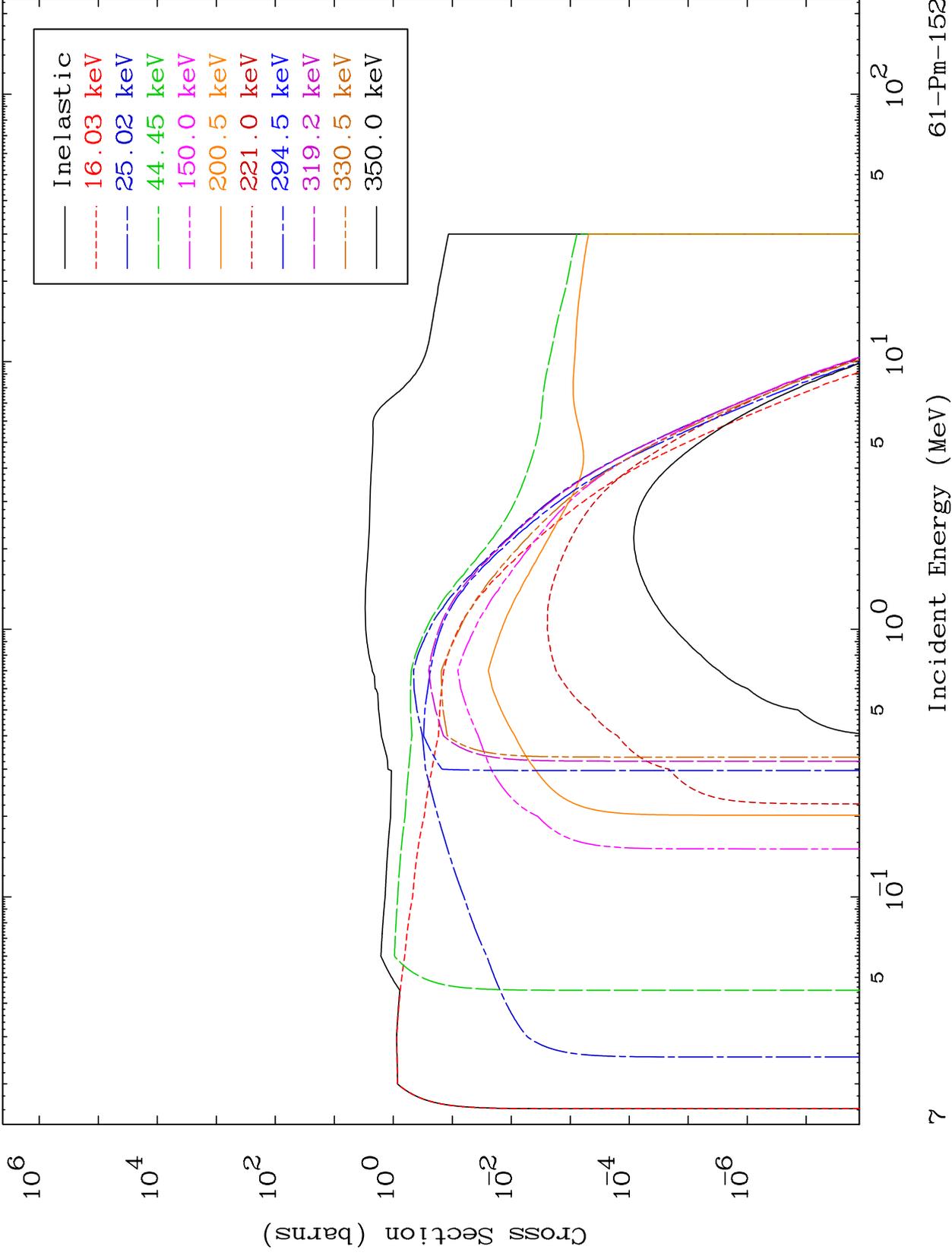


MAT 6164

(n,n') Level

61-Pm-152

293 Kelvin Cross Sections

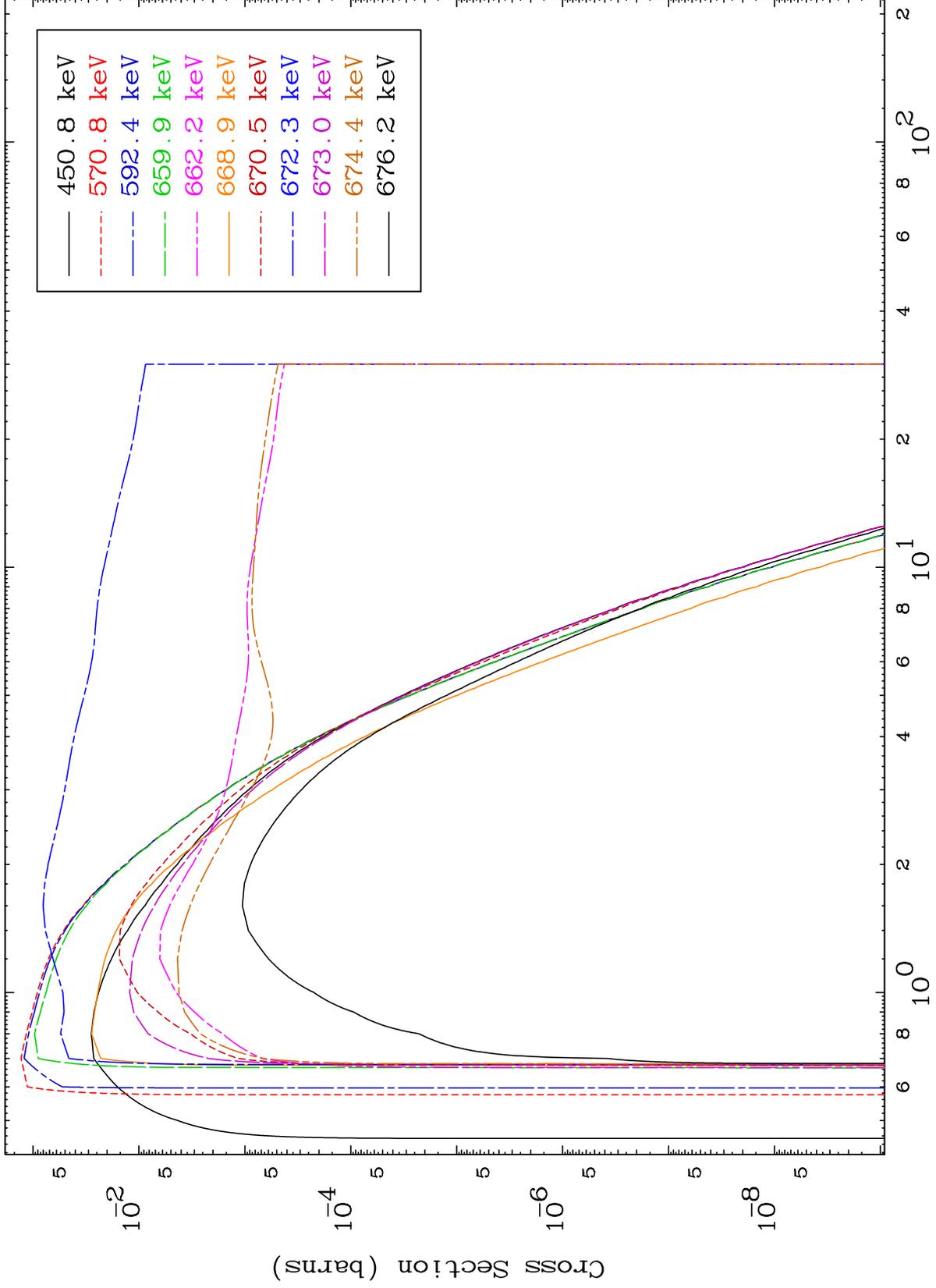


MAT 6164

(n,n') Level

61-Pm-152

293 Kelvin Cross Sections



8

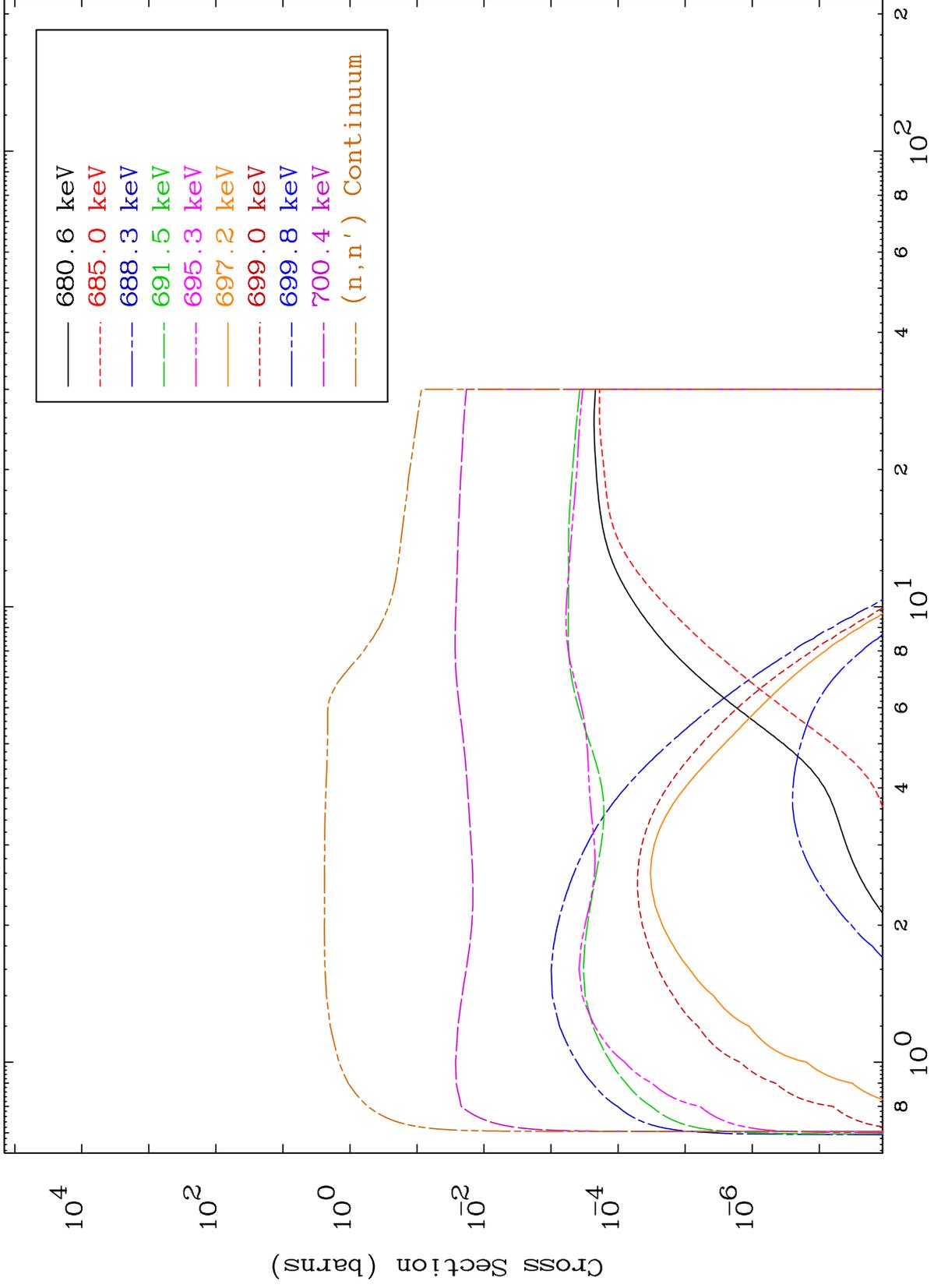
Incident Energy (MeV)

61-Pm-152

MAT 6164

(n,n') Level
293 Kelvin Cross Sections

61-Pm-152



9

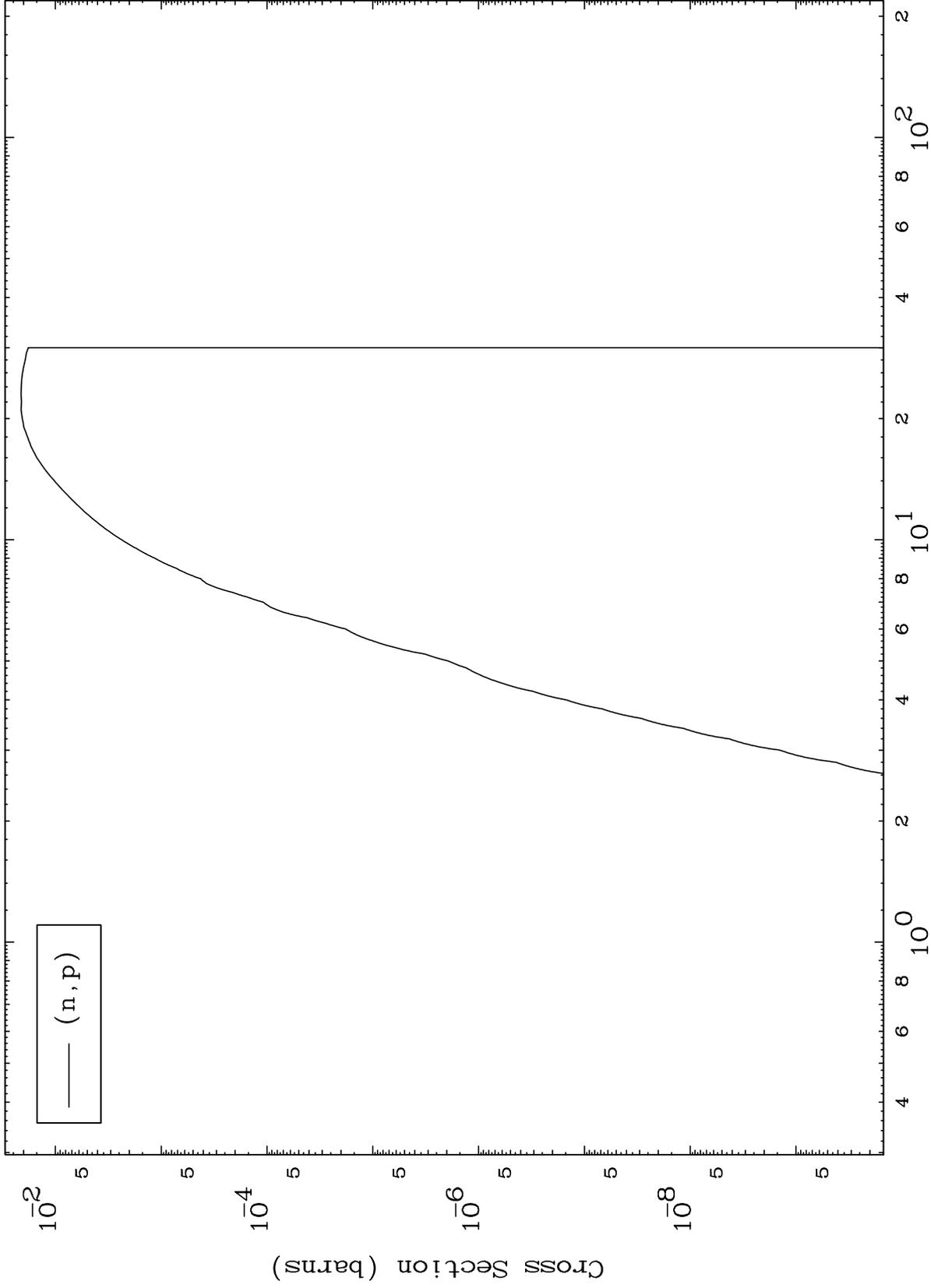
Incident Energy (MeV)

61-Pm-152

MAT 6164

(n,p) Levels
293 Kelvin Cross Sections

61-Pm-152



10

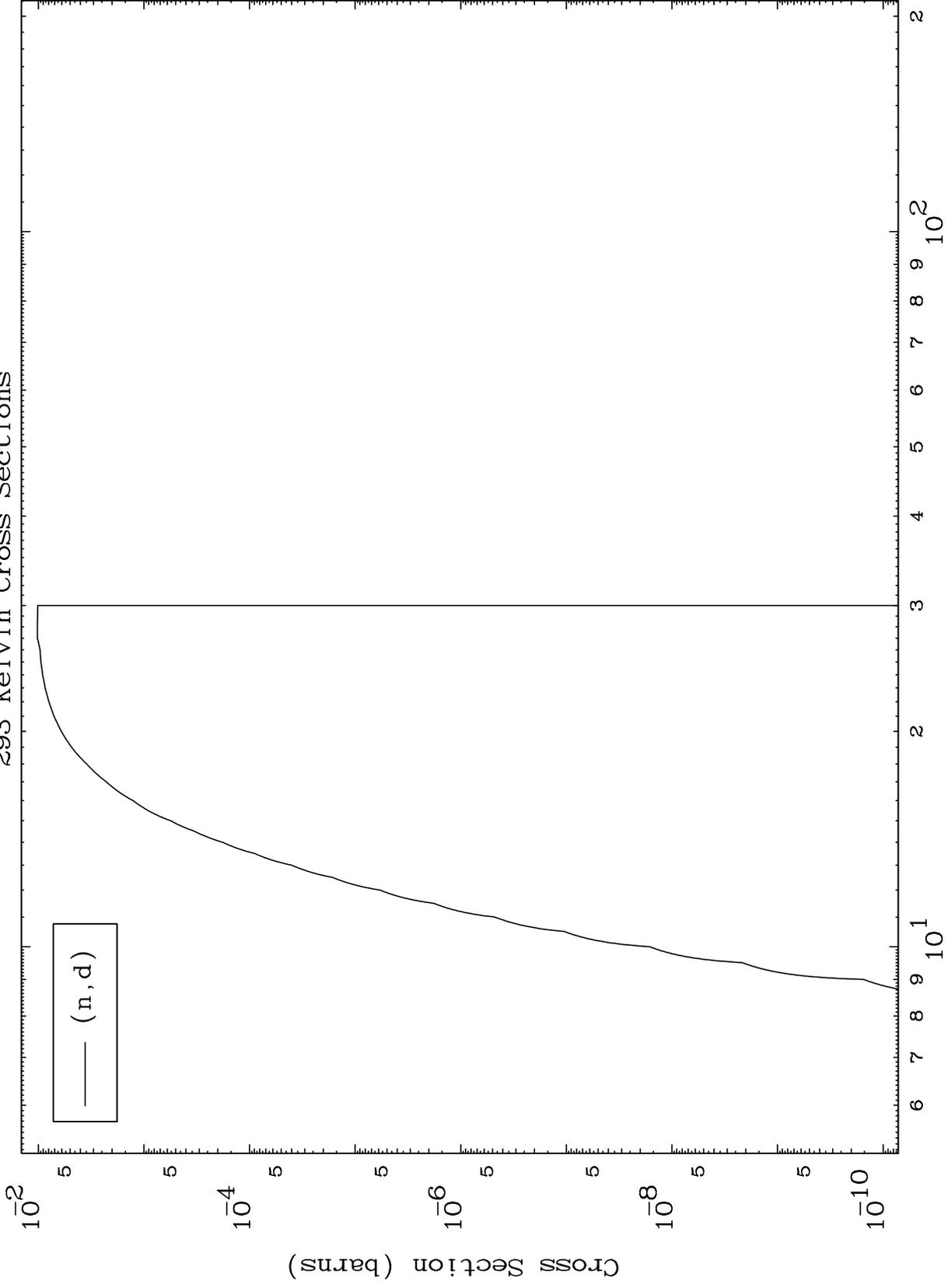
Incident Energy (MeV)

61-Pm-152

MAT 6164

(n,d) Levels
293 Kelvin Cross Sections

61-Pm-152



11

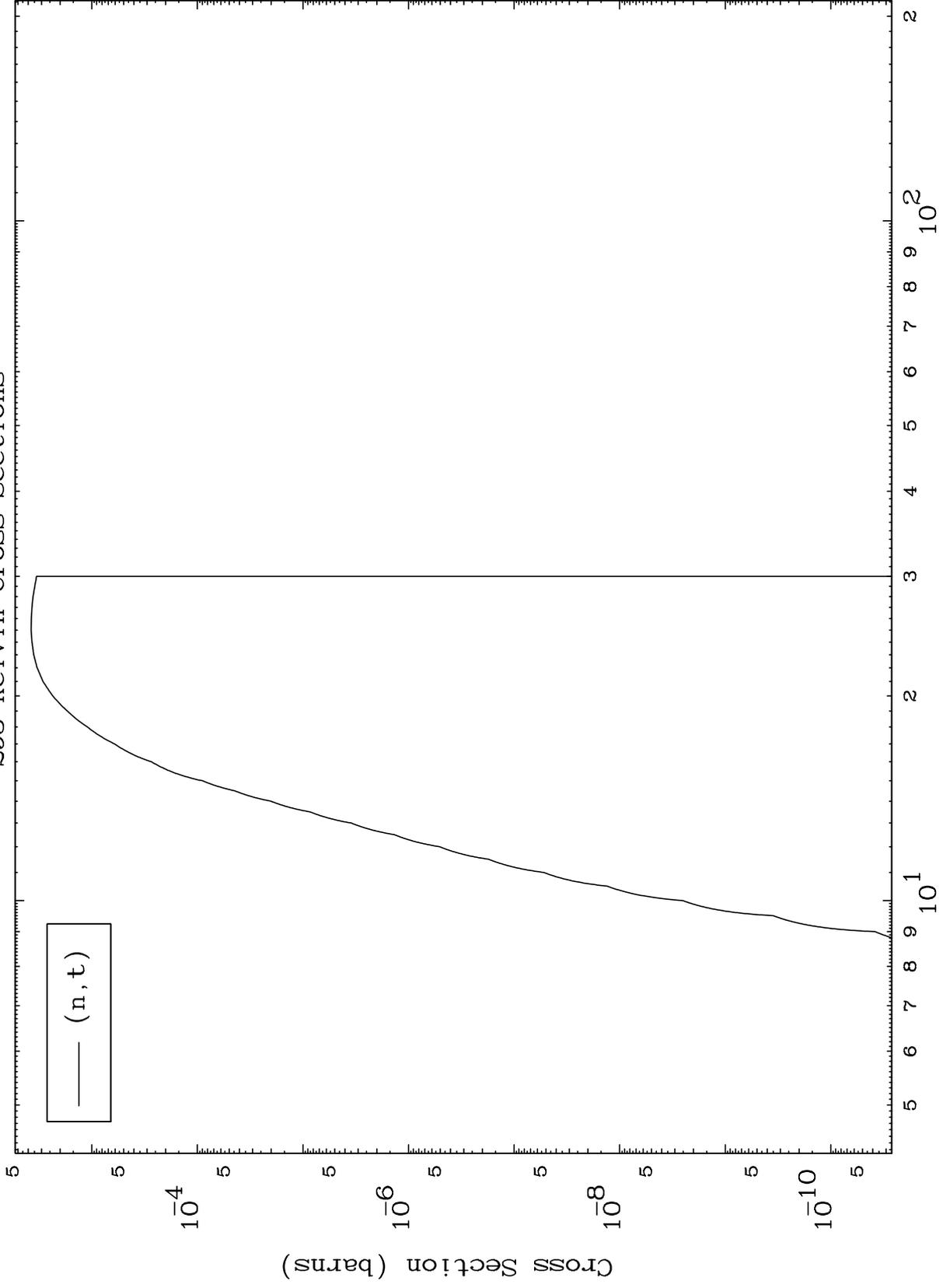
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61-Pm-152

MAT 6164

(n,t) Levels
293 Kelvin Cross Sections

61-Pm-152



12

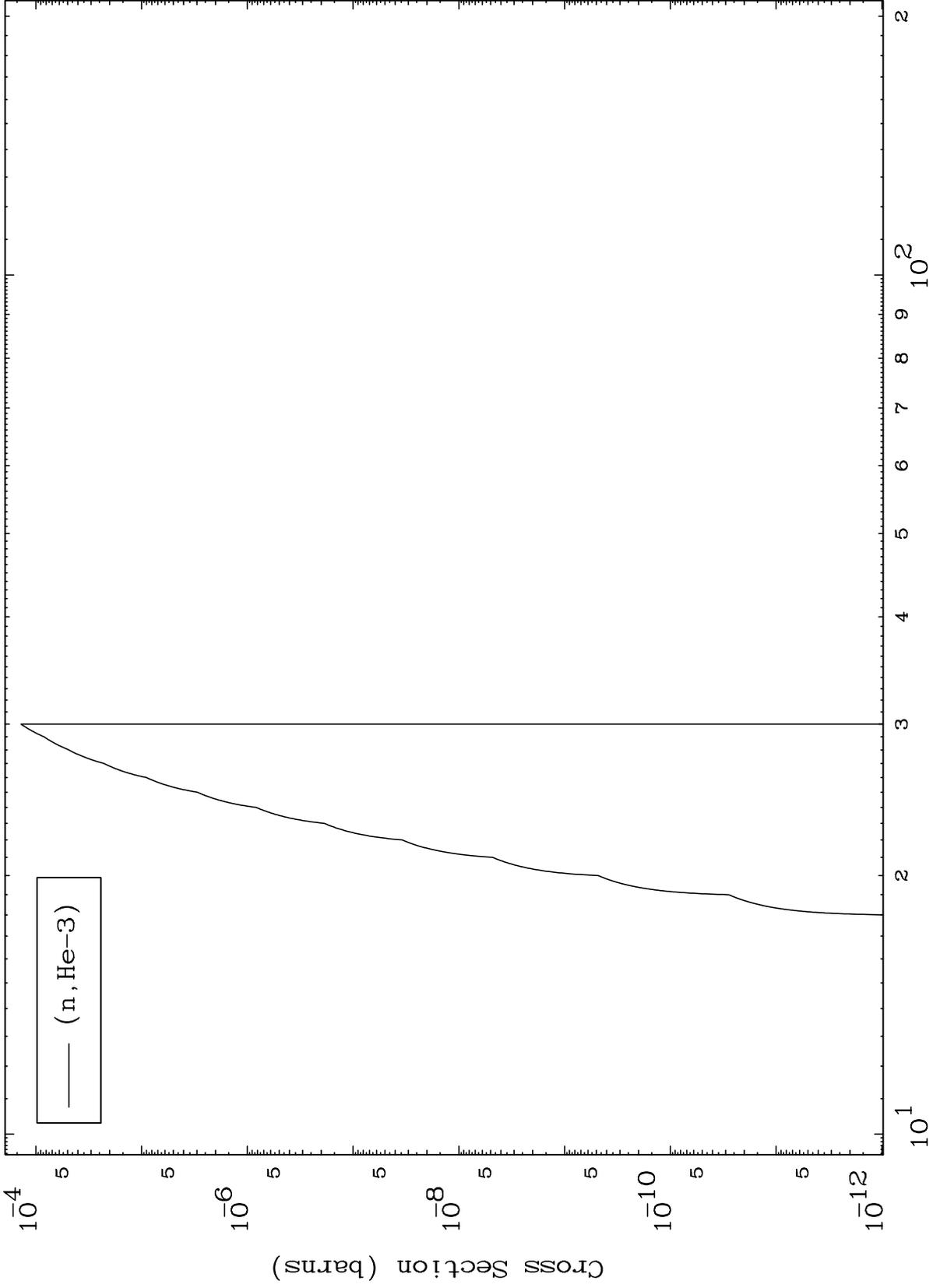
Incident Energy (MeV)

61-Pm-152

MAT 6164

(n,He3) Levels
293 Kelvin Cross Sections

61-Pm-152



(n, He-3)

61-Pm-152

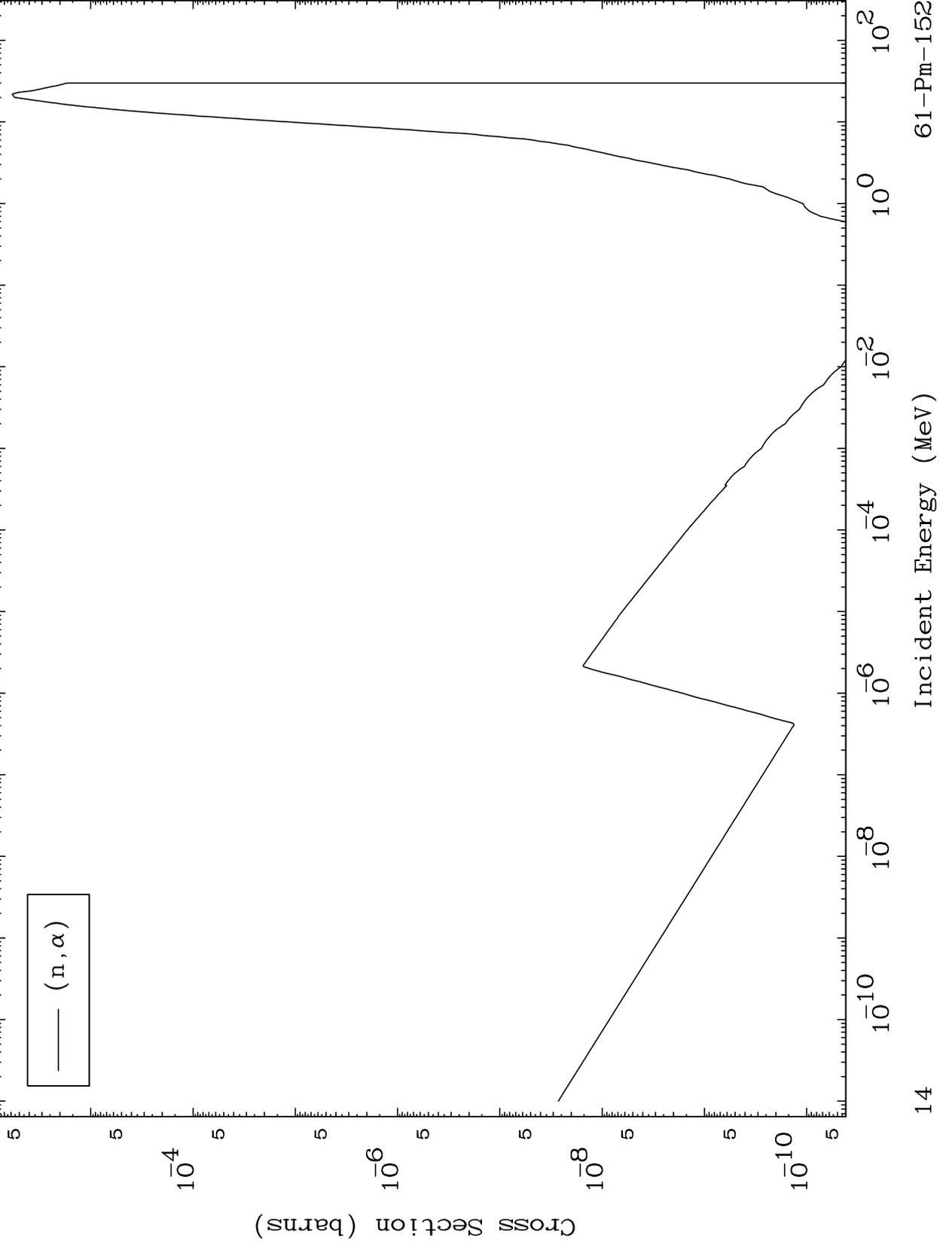
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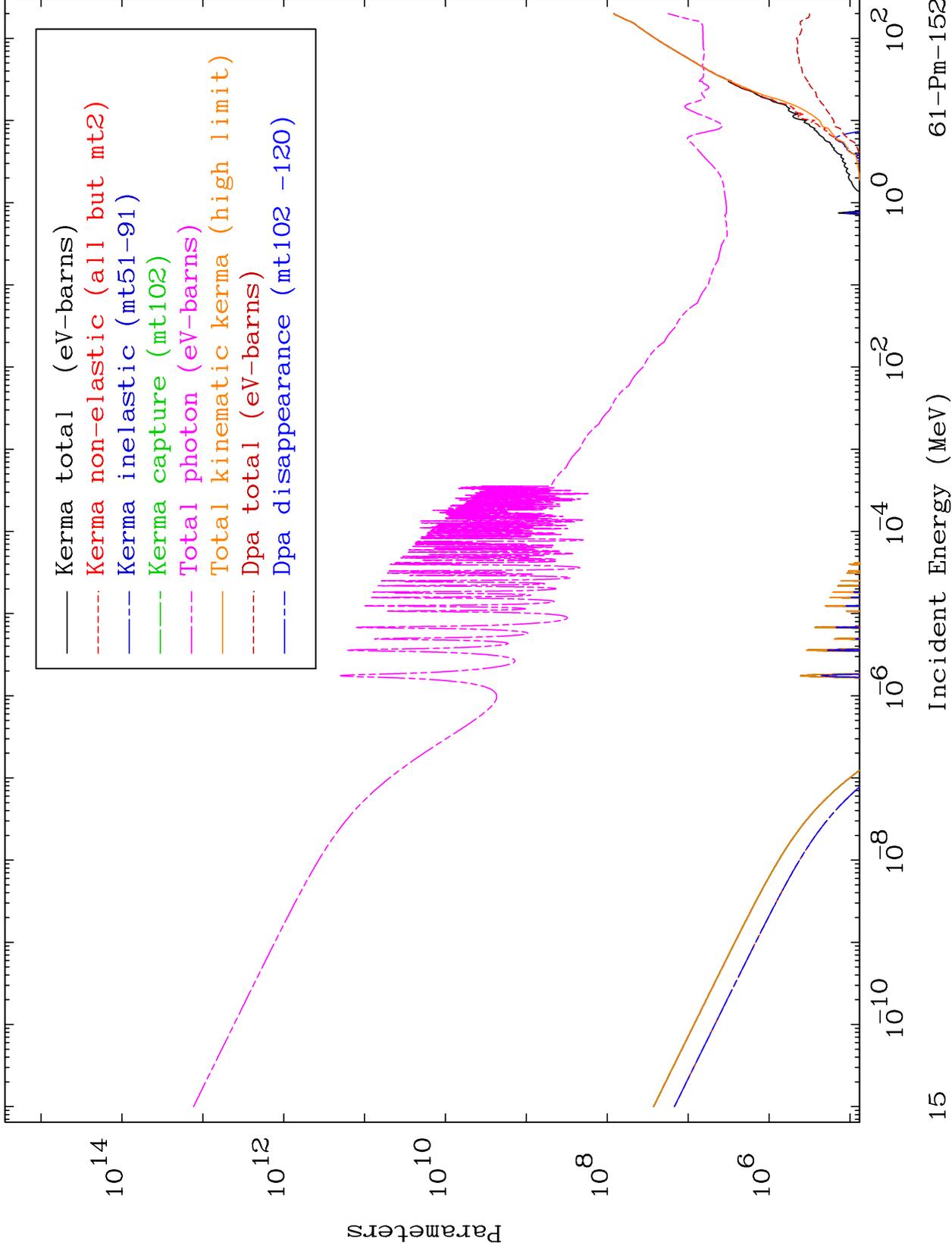
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MAT 6164

(n, α) Levels
293 Kelvin Cross Sections

61-Pm-152

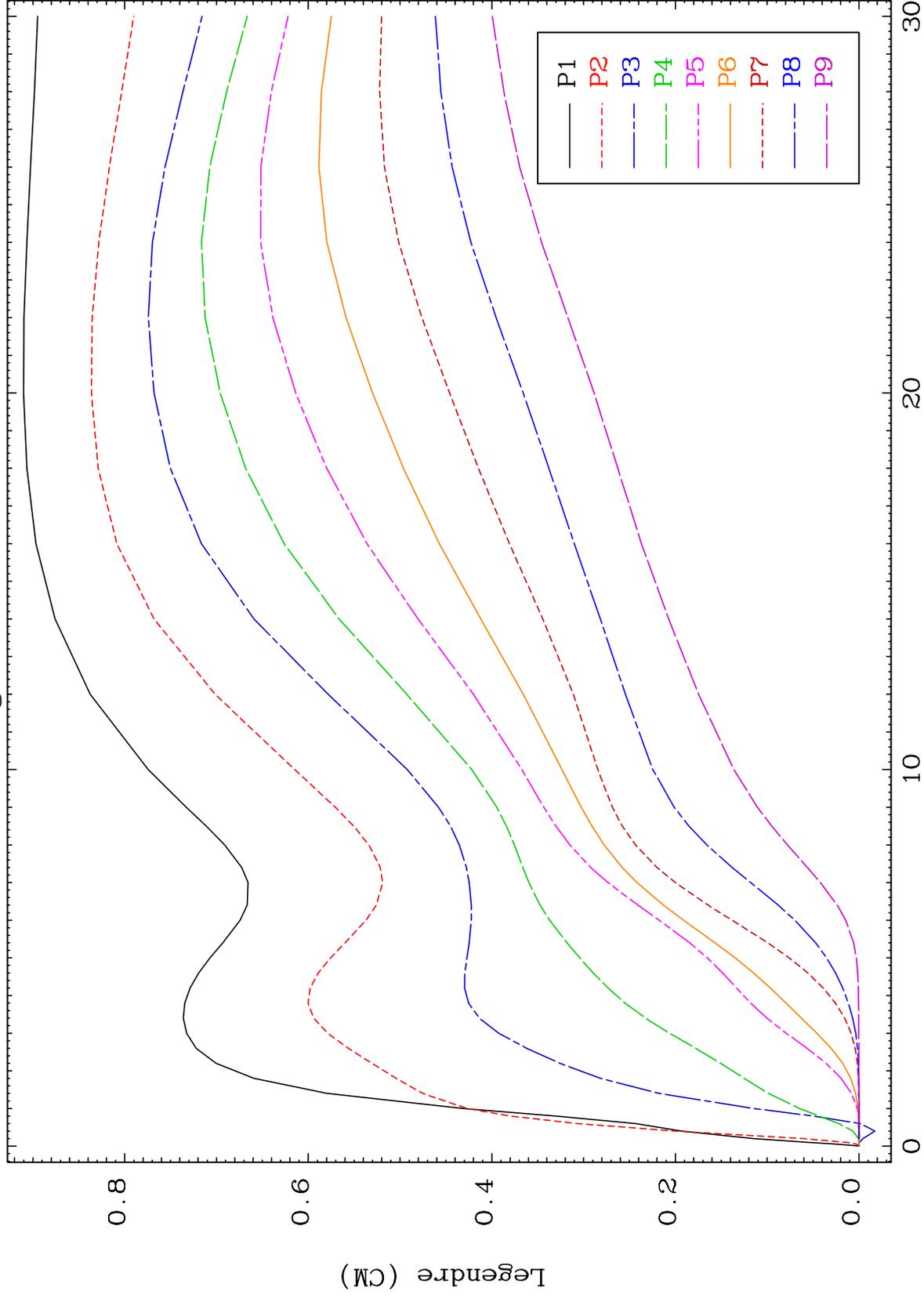




MAT 6164

Elastic Legendre Coefficients

61-Pm-152



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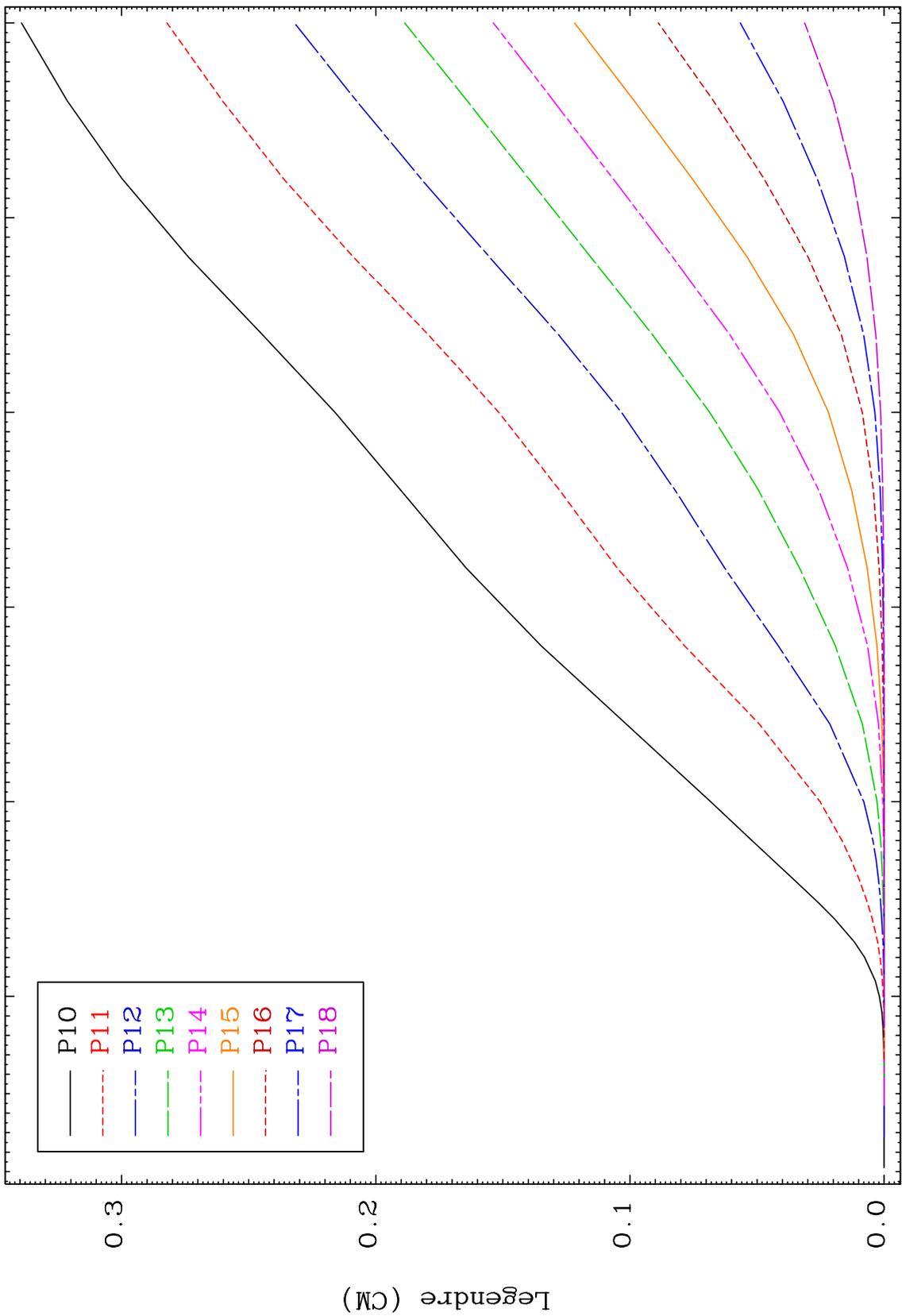
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MAT 6164

Elastic Legendre Coefficients

61-Pm-152



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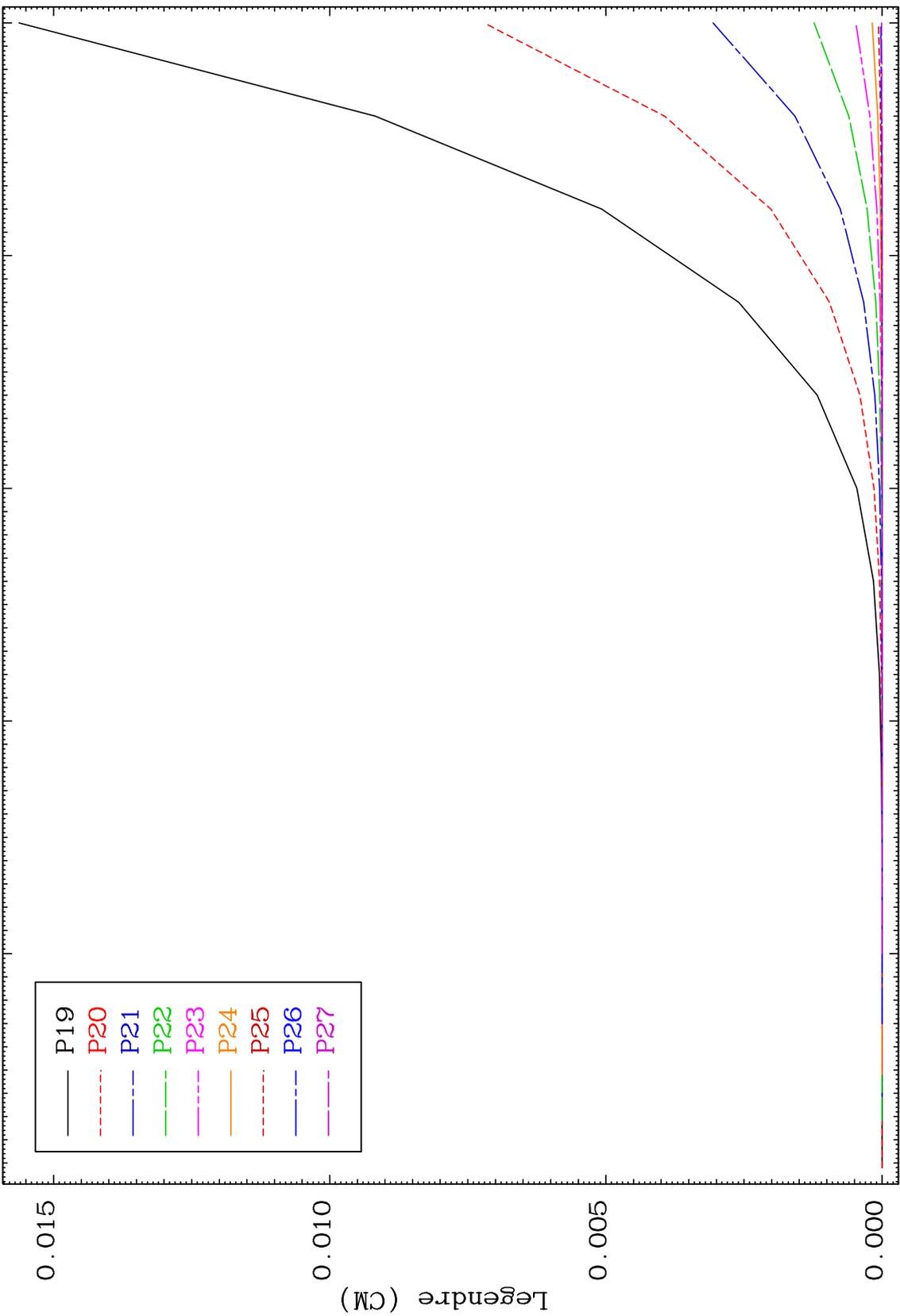
Incident Energy (MeV)

61-Pm-152

MAT 6164

Elastic Legendre Coefficients

61-Pm-152



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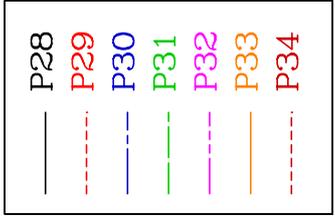
Incident Energy (MeV)

61-Pm-152

MAT 6164

Elastic
Legendre Coefficients

61-Pm-152



$\times 10^{-6}$

2.0

1.5

1.0

0.5

0.0

Legendre (CM)

15

20

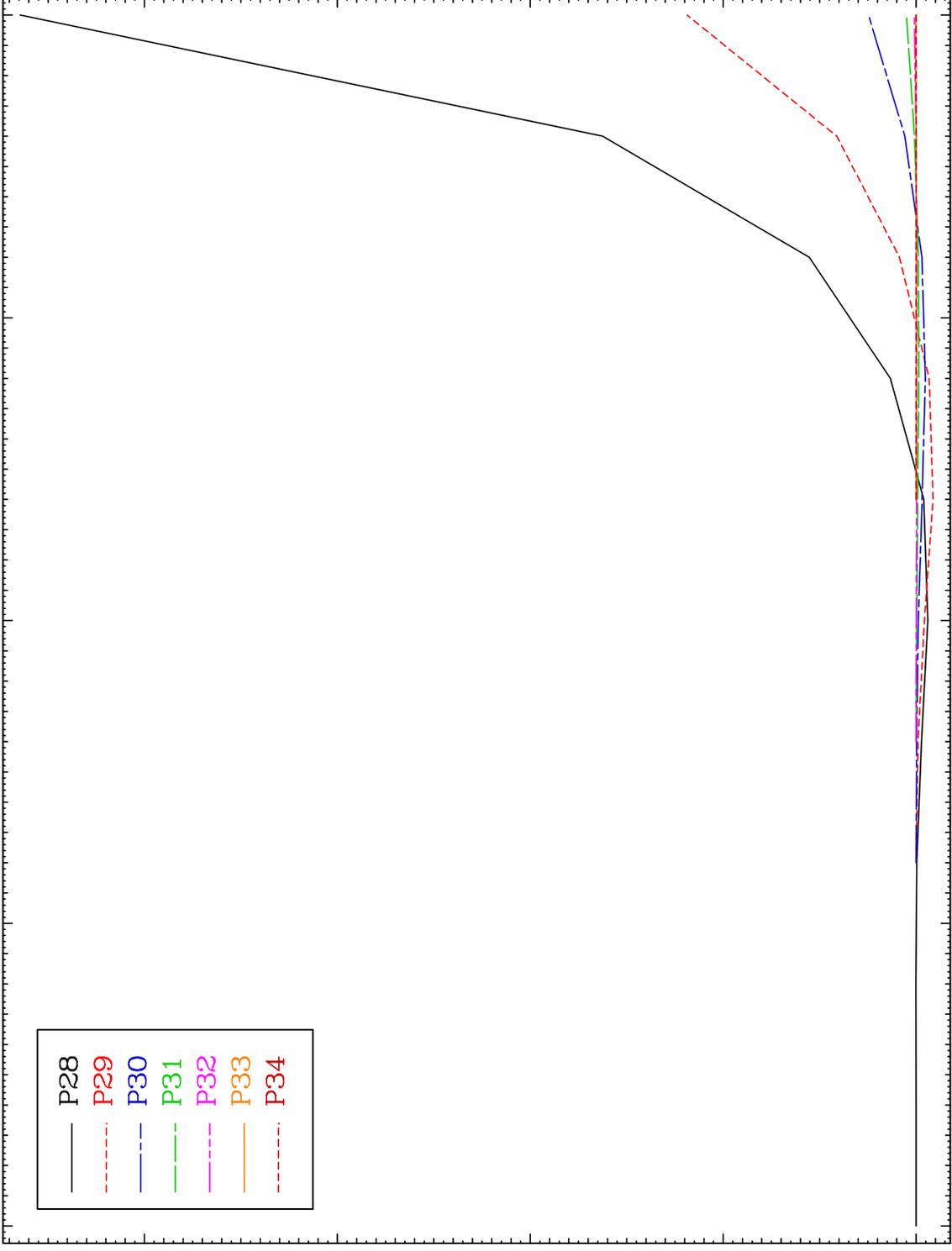
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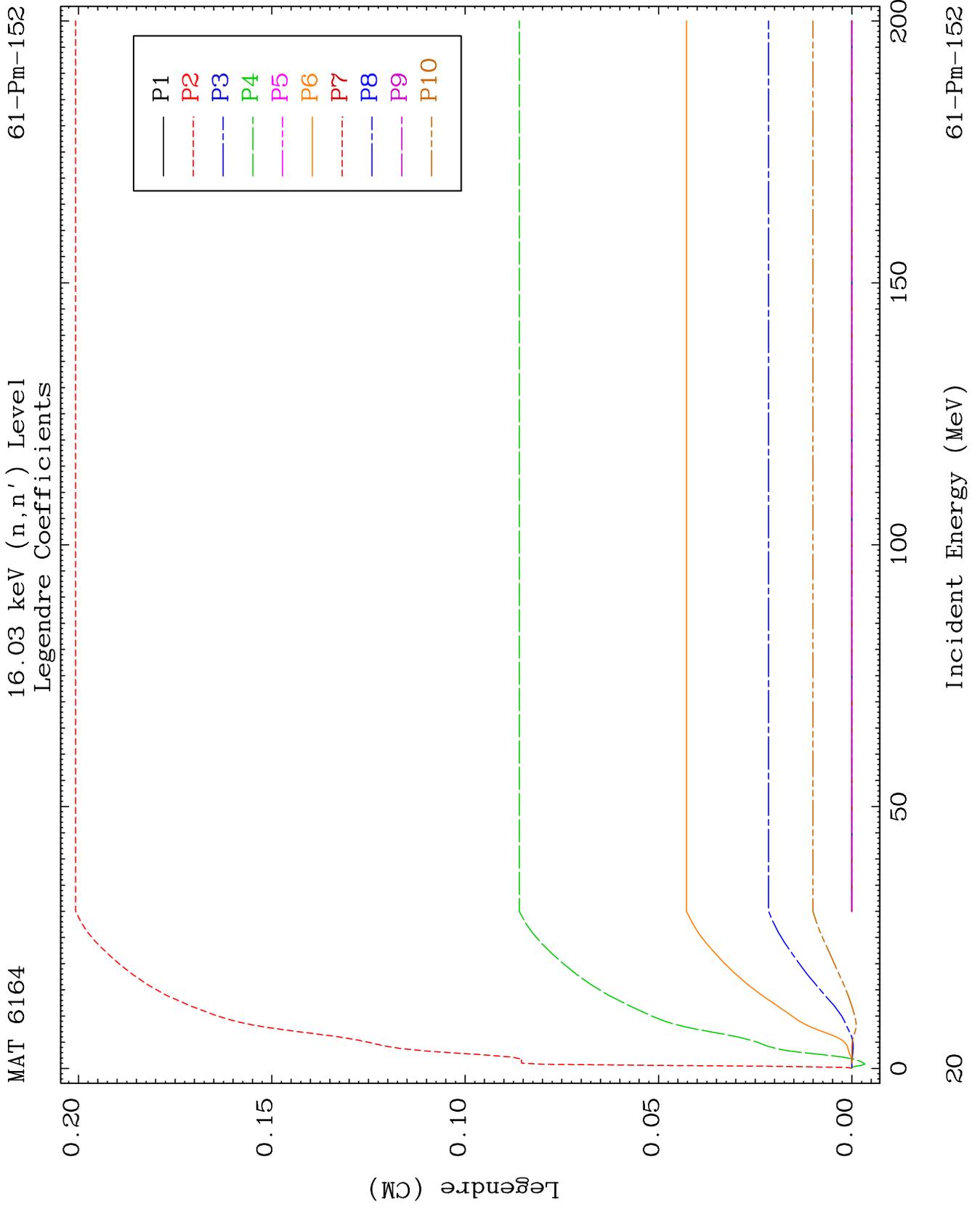
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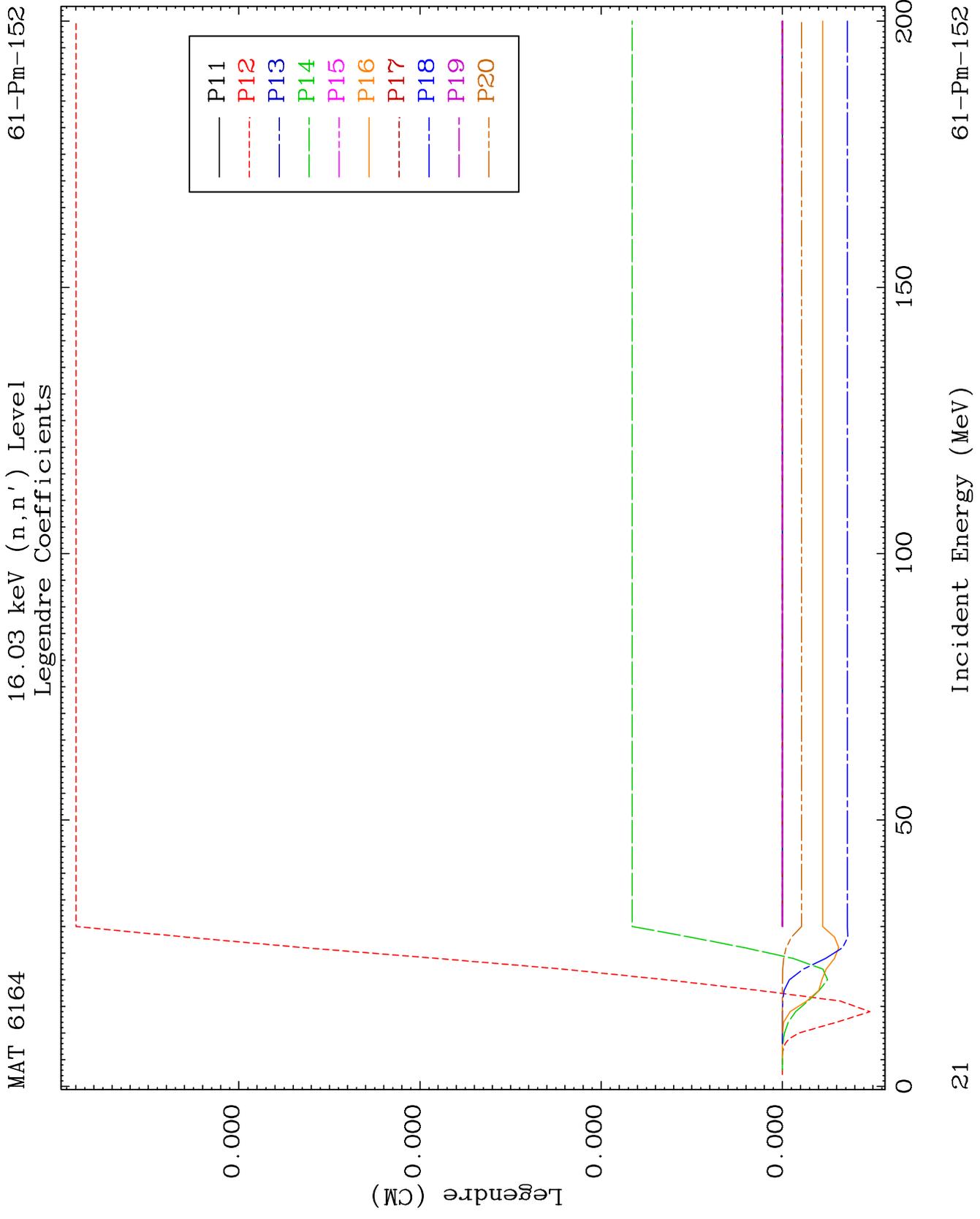
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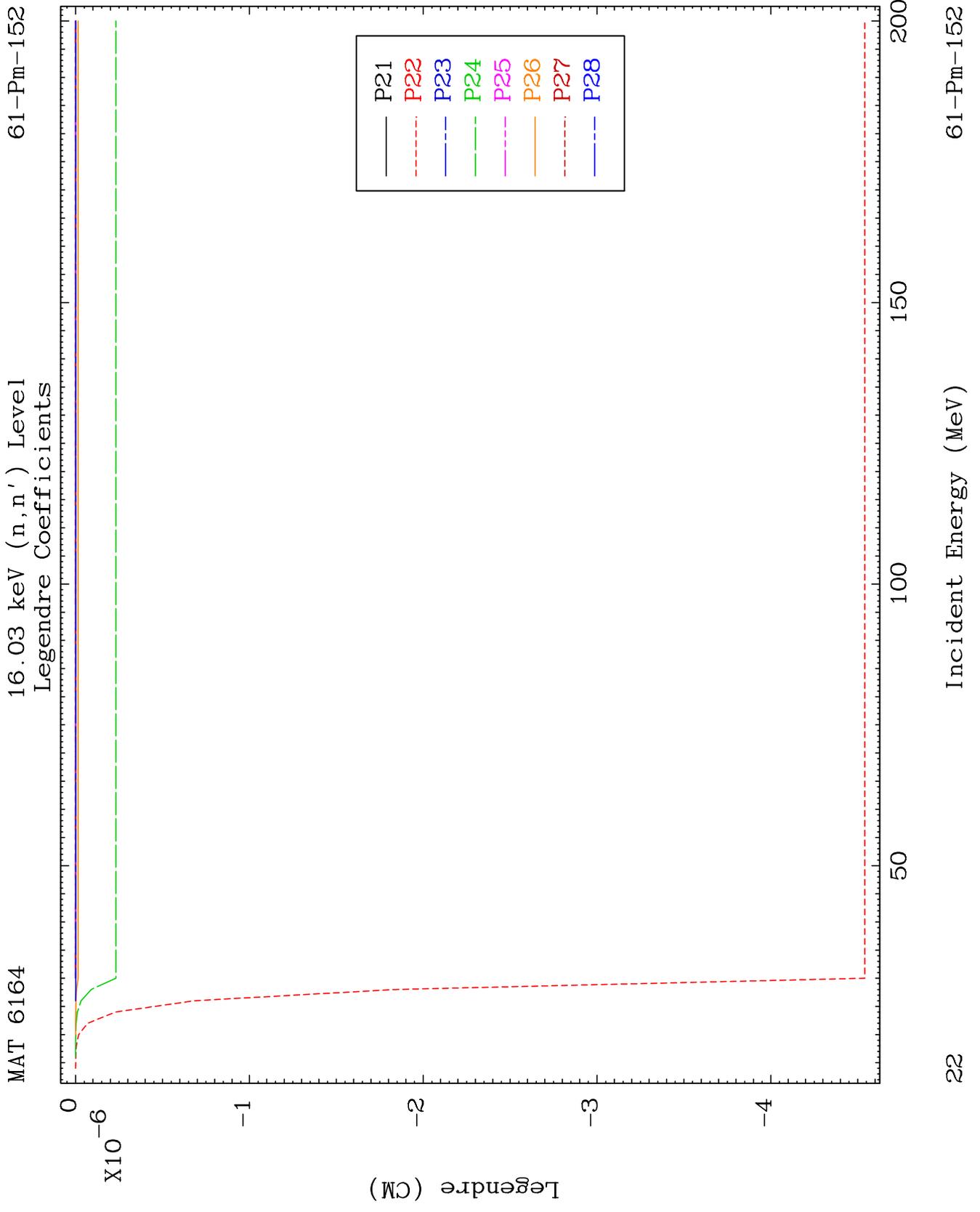
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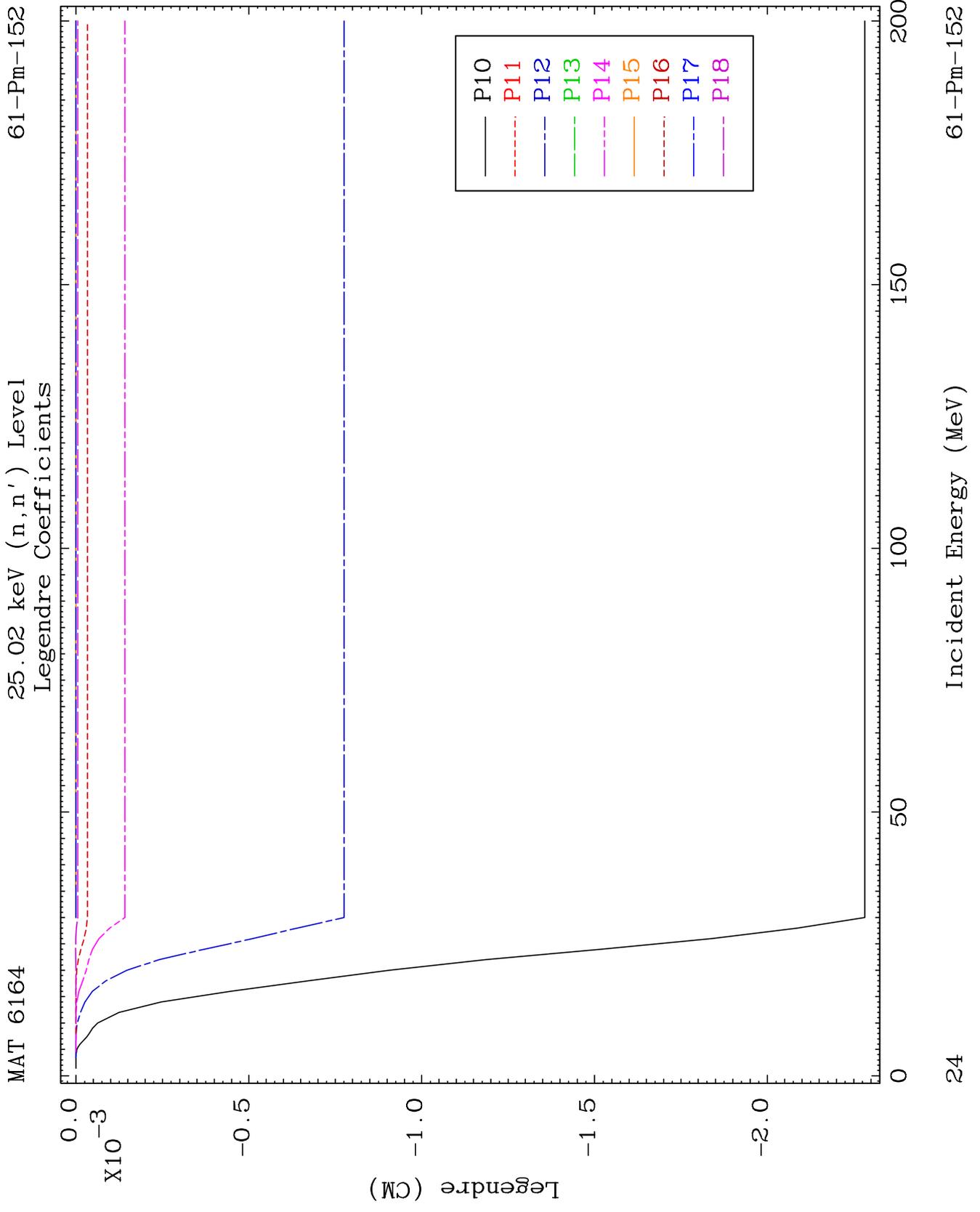
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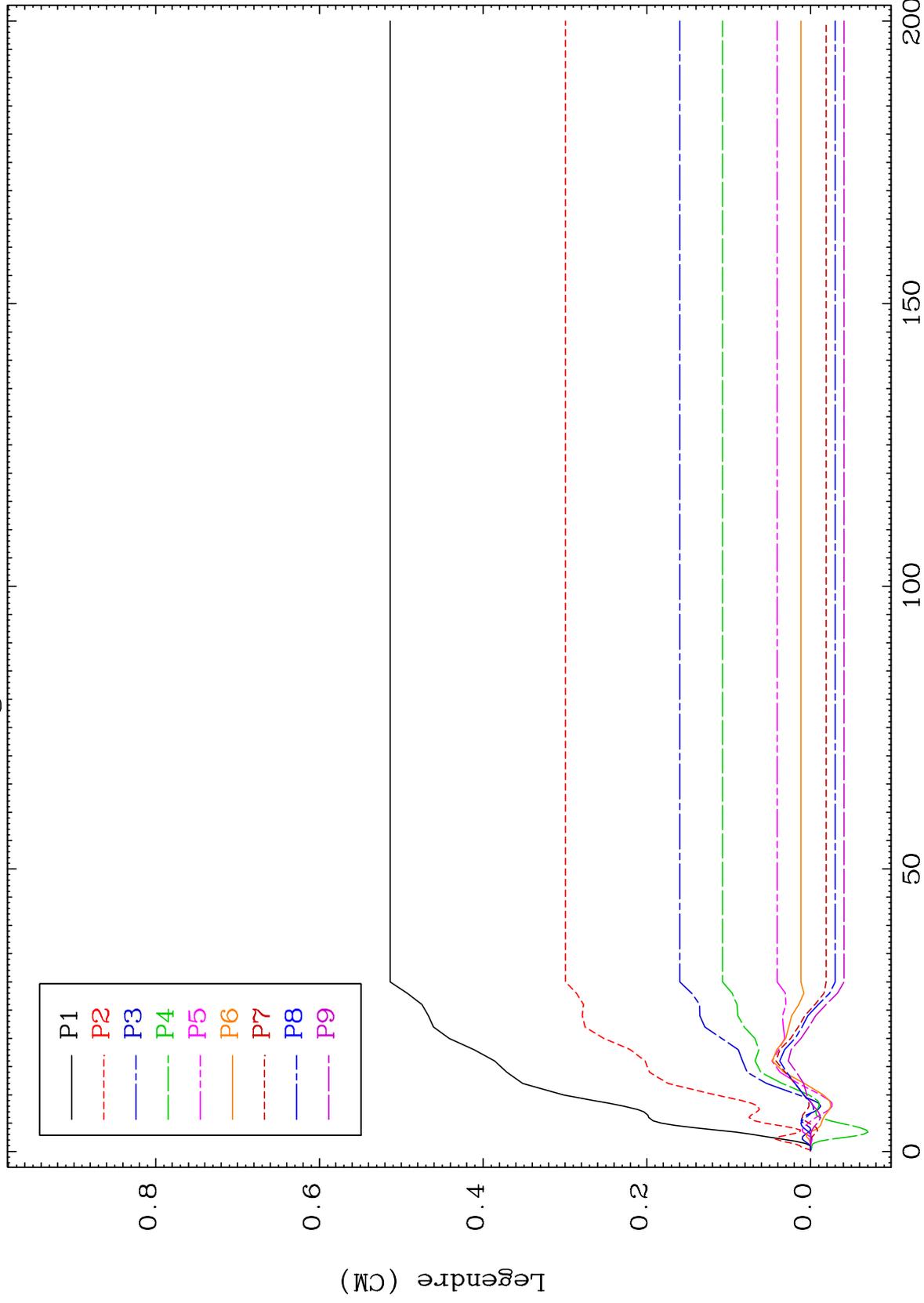




MAT 6164

44.45 keV (n,n') Level
Legendre Coefficients

61-Pm-152



26

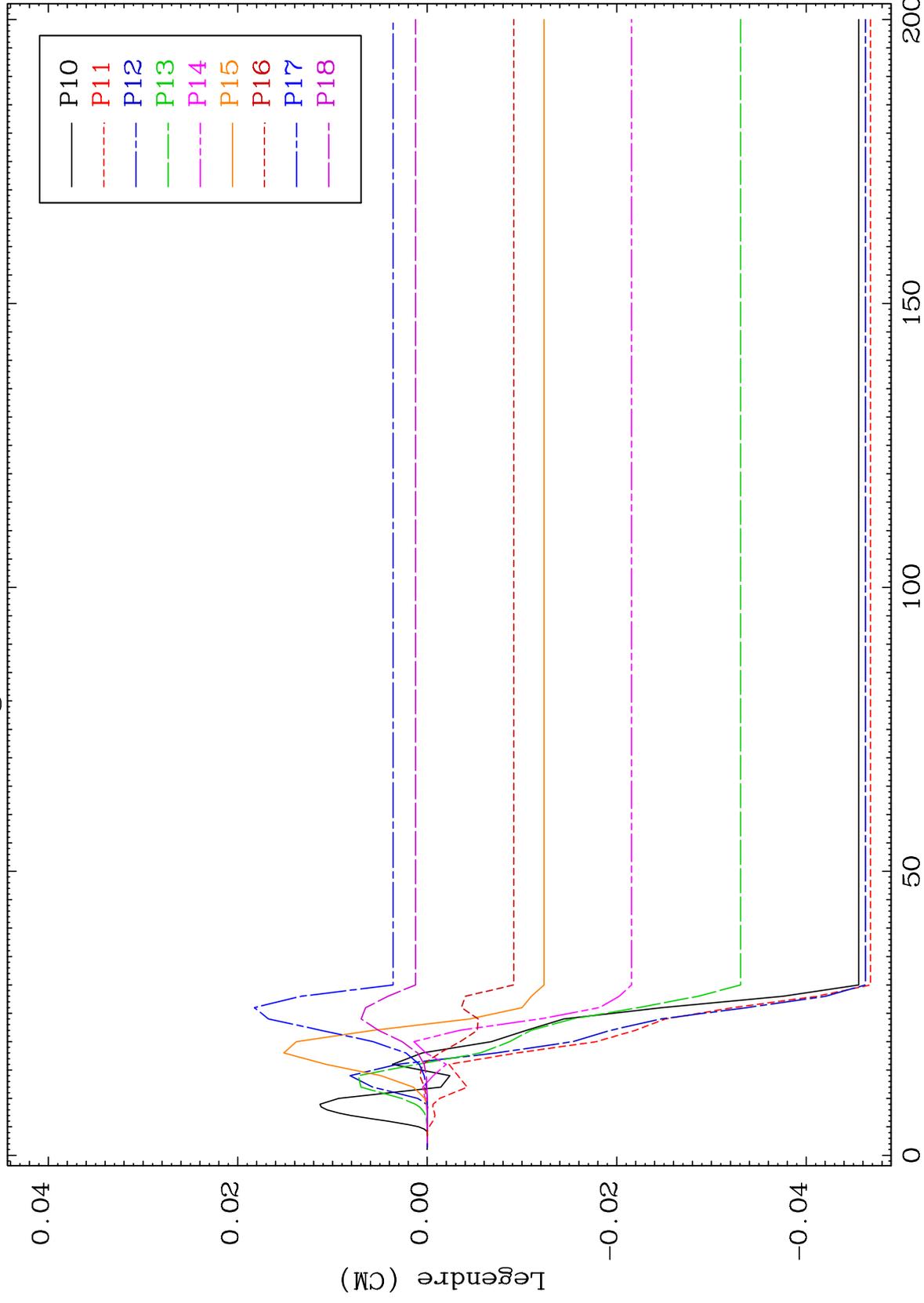
Incident Energy (MeV)

61-Pm-152

MAT 6164

44.45 keV (n,n') Level
Legendre Coefficients

61-Pm-152



27

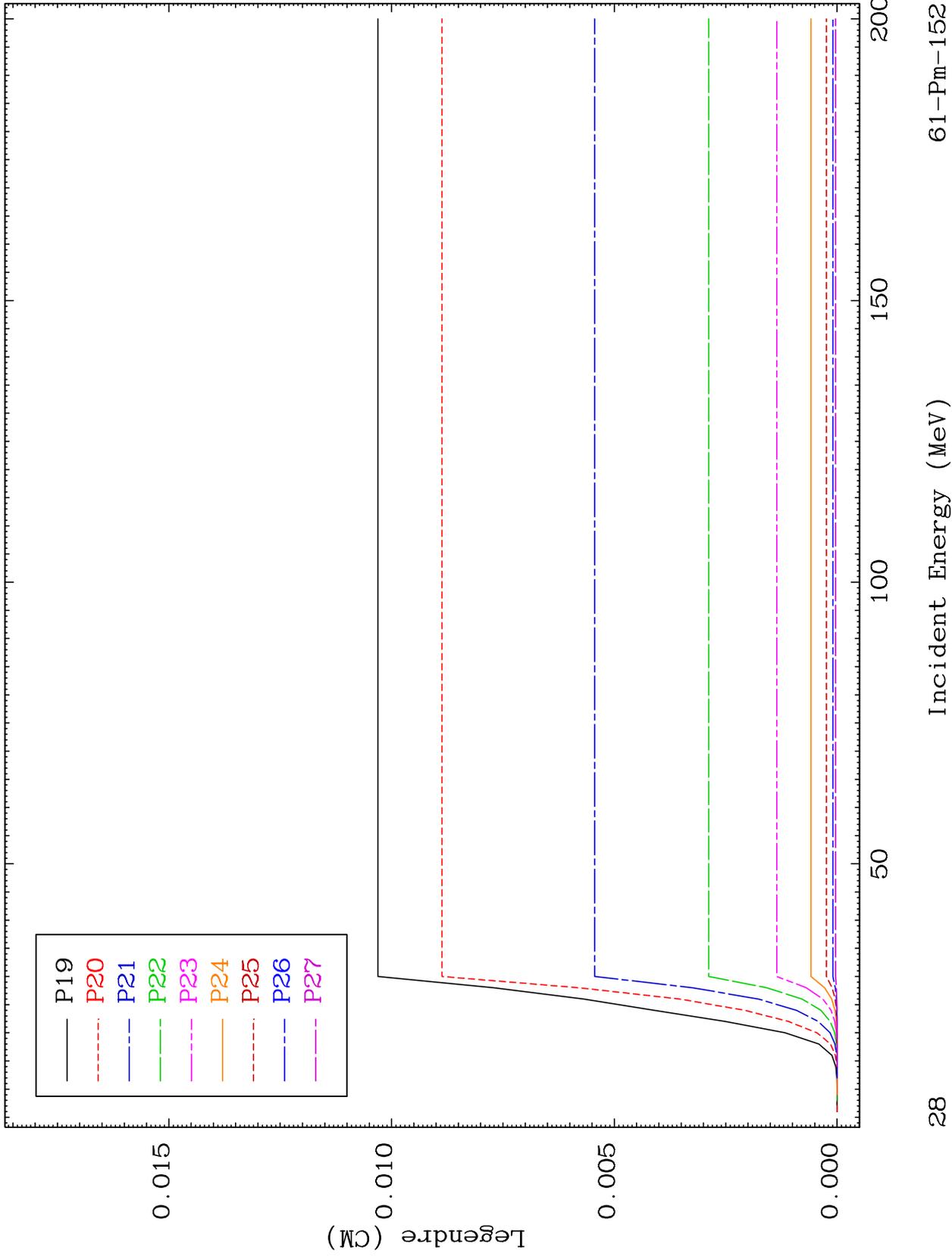
Incident Energy (MeV)

61-Pm-152

MAT 6164

44.45 keV (n,n') Level
Legendre Coefficients

61-Pm-152



28

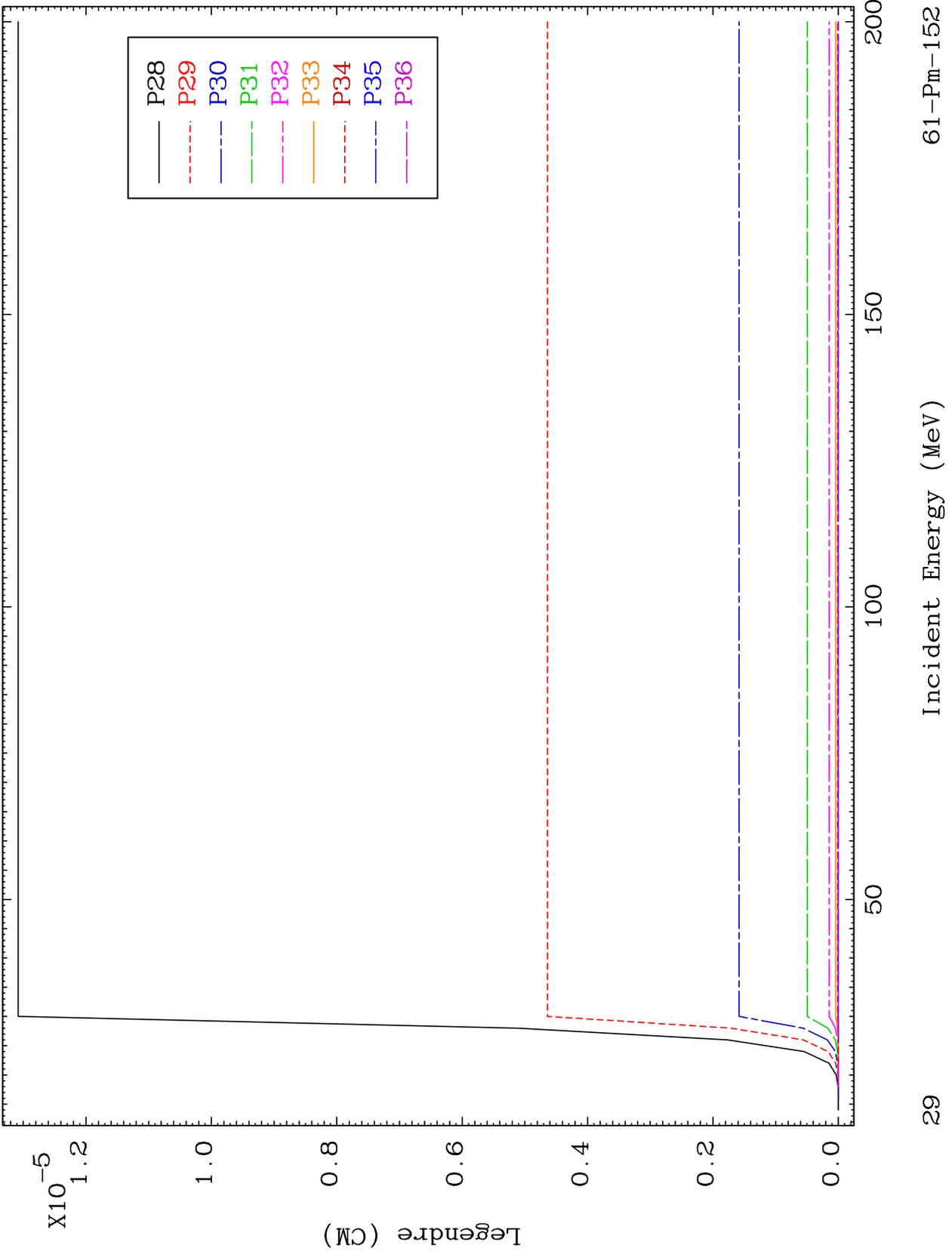
Incident Energy (MeV)

61-Pm-152

MAT 6164

44.45 keV (n,n') Level
Legendre Coefficients

61-Pm-152

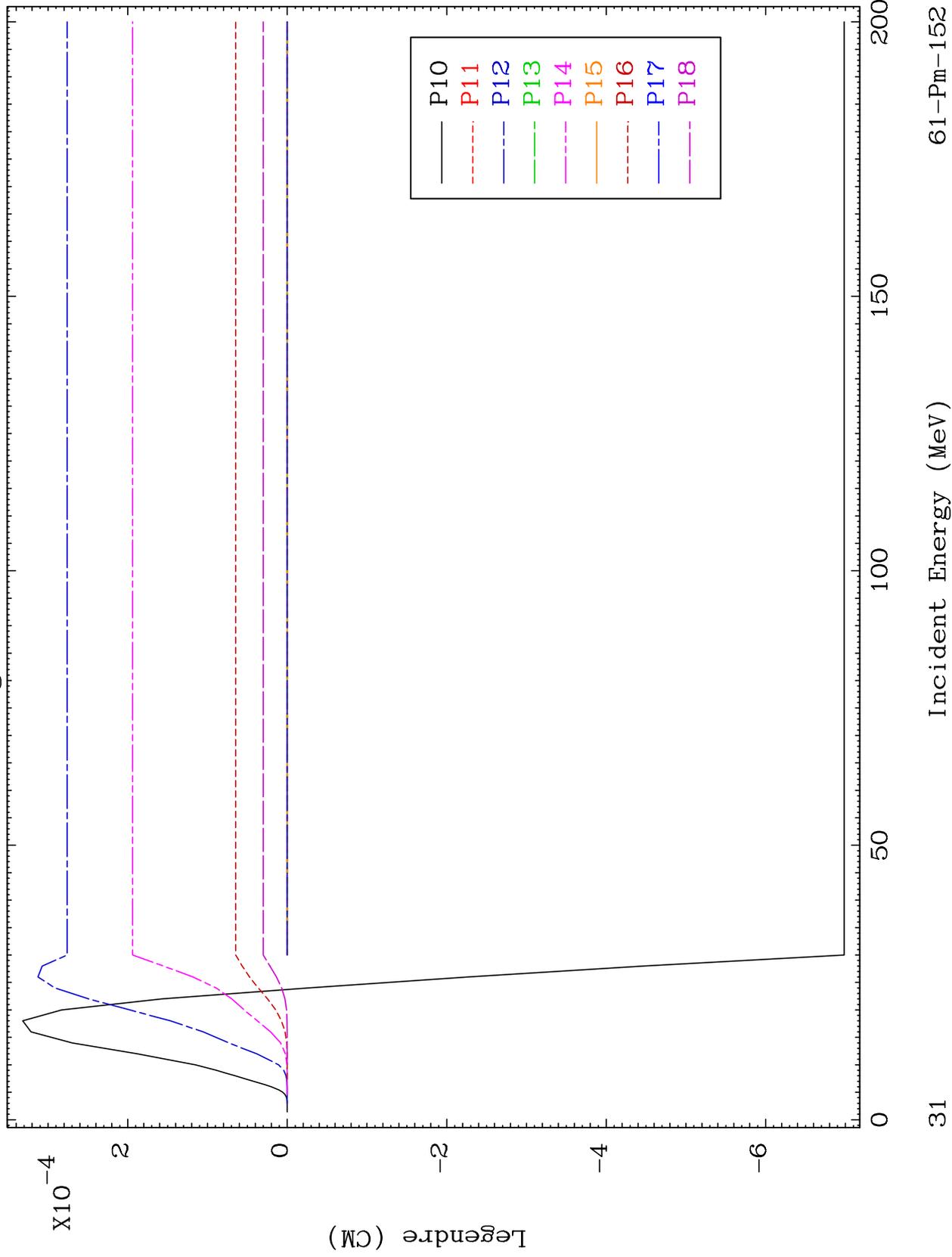


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MAT 6164

150.0 keV (n,n') Level
Legendre Coefficients

61-Pm-152



31

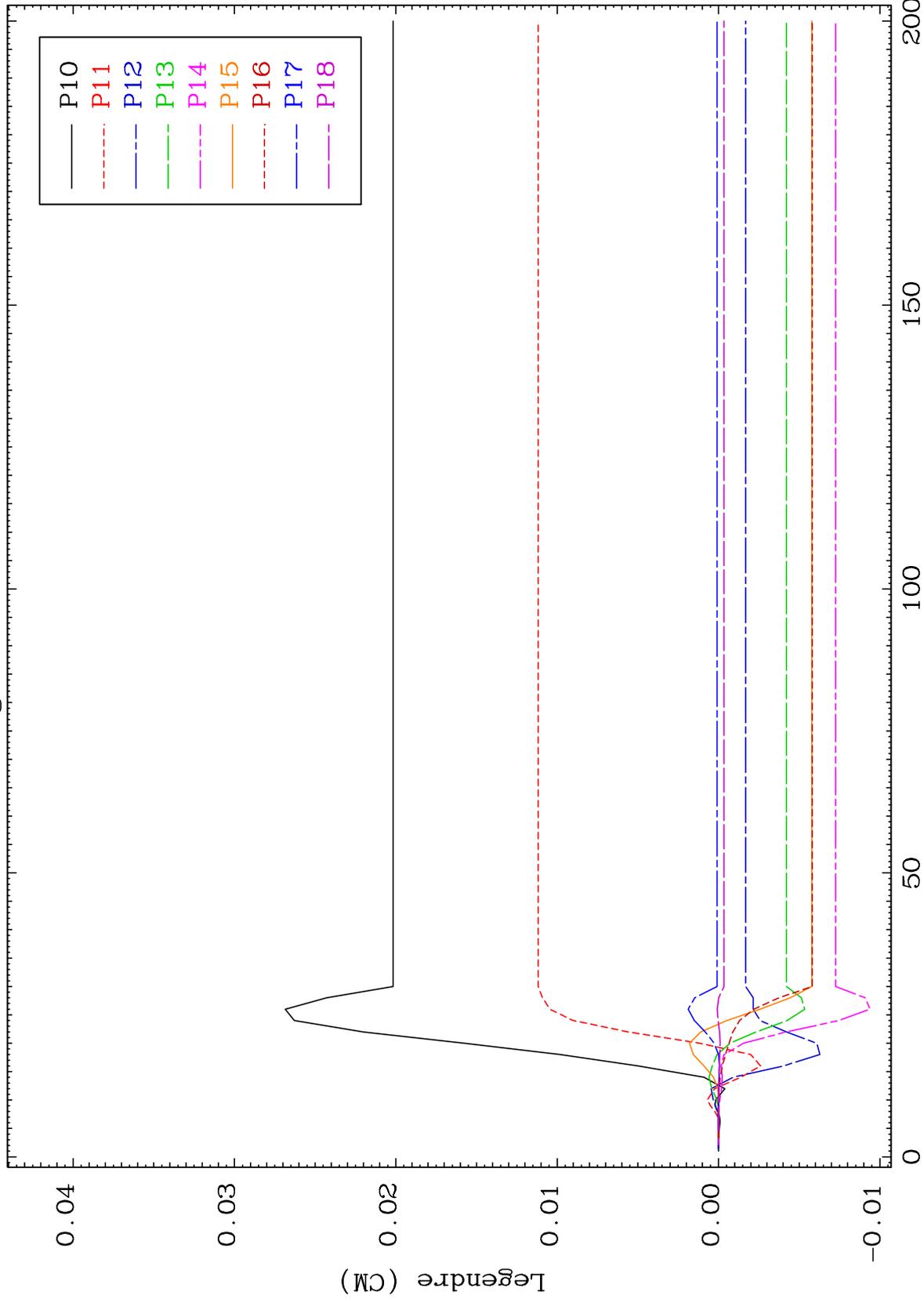
Incident Energy (MeV)

61-Pm-152

MAT 6164

200.5 keV (n,n') Level
Legendre Coefficients

61-Pm-152



34

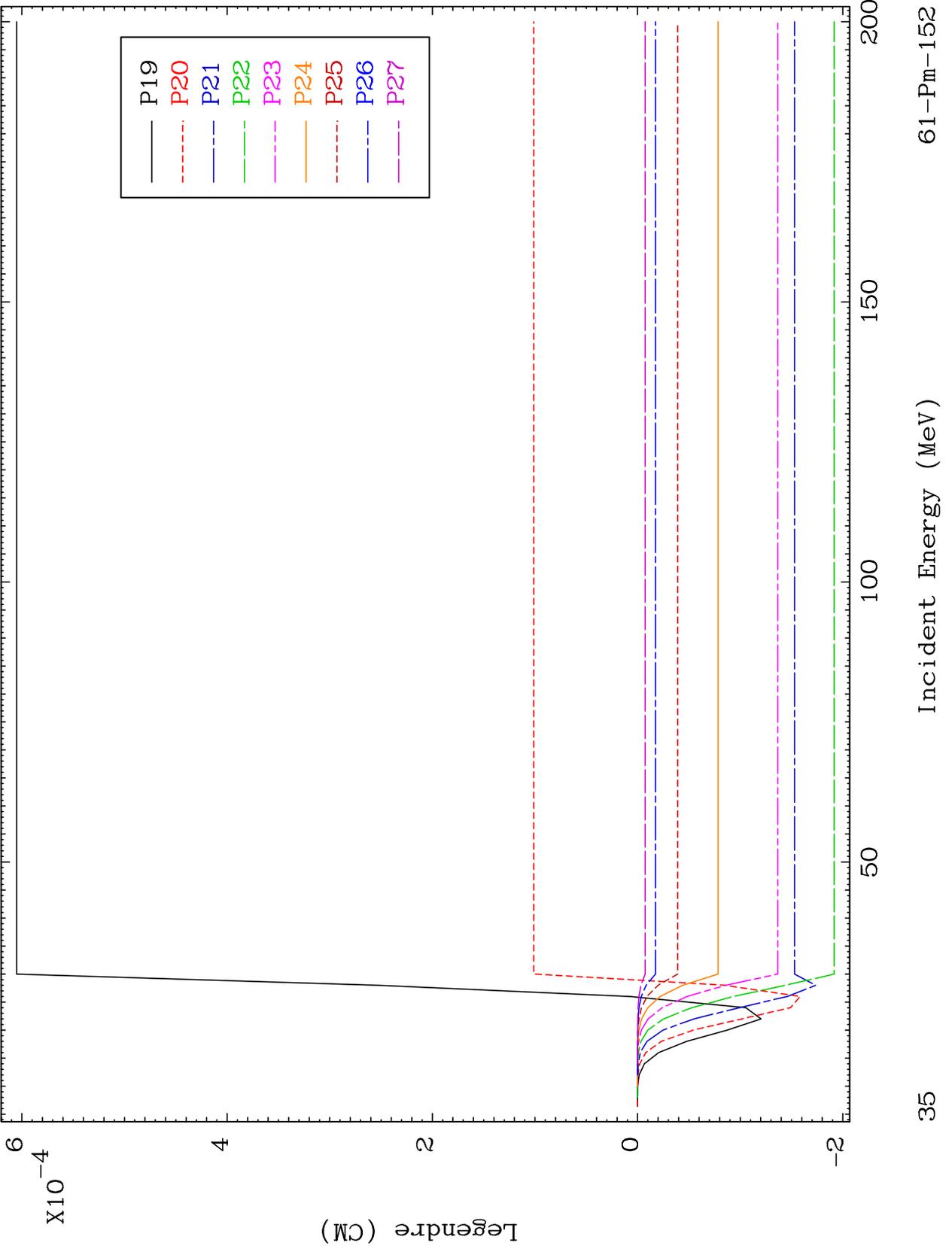
Incident Energy (MeV)

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MAT 6164

200.5 keV (n,n') Level
Legendre Coefficients

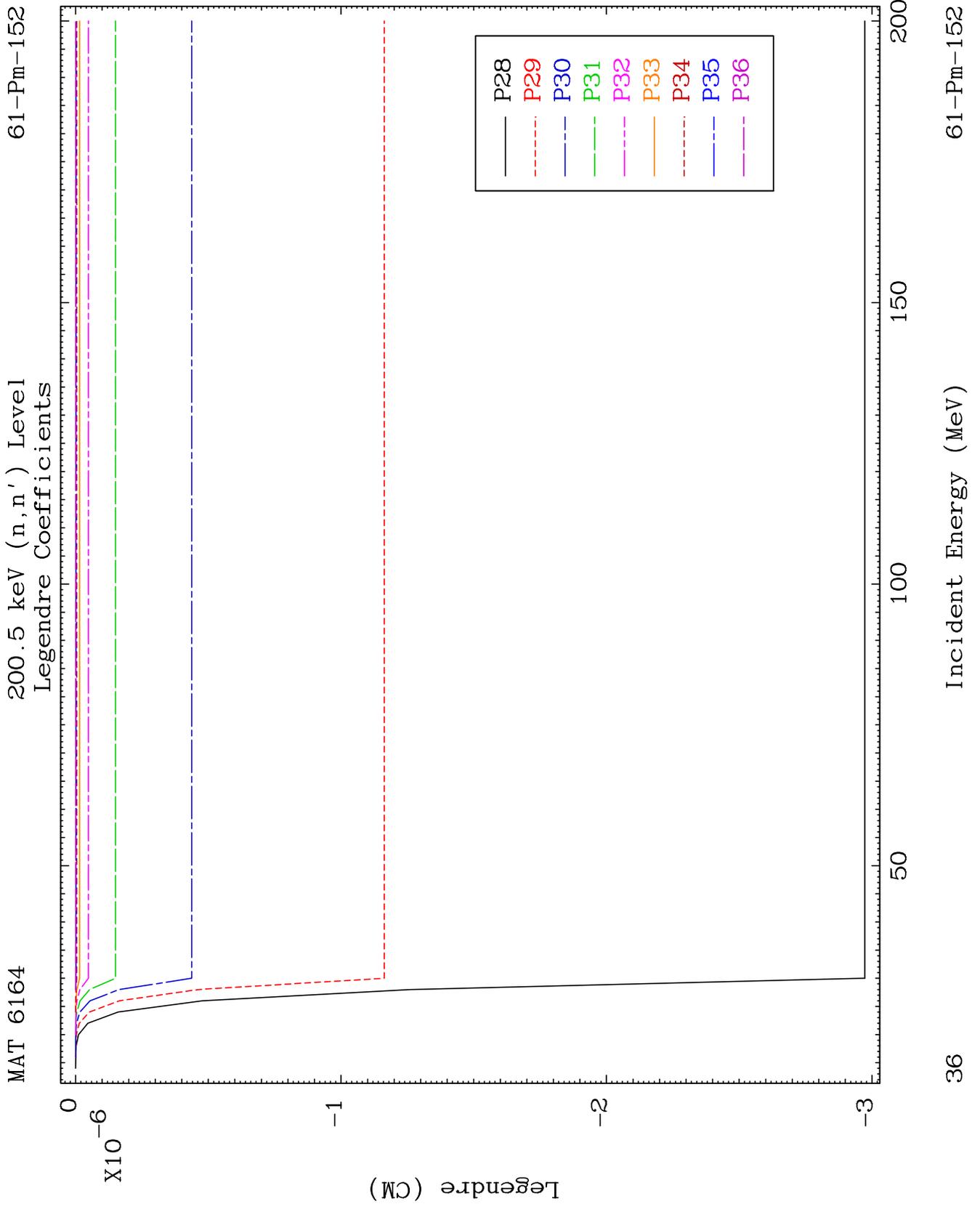
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Incident Energy (MeV)

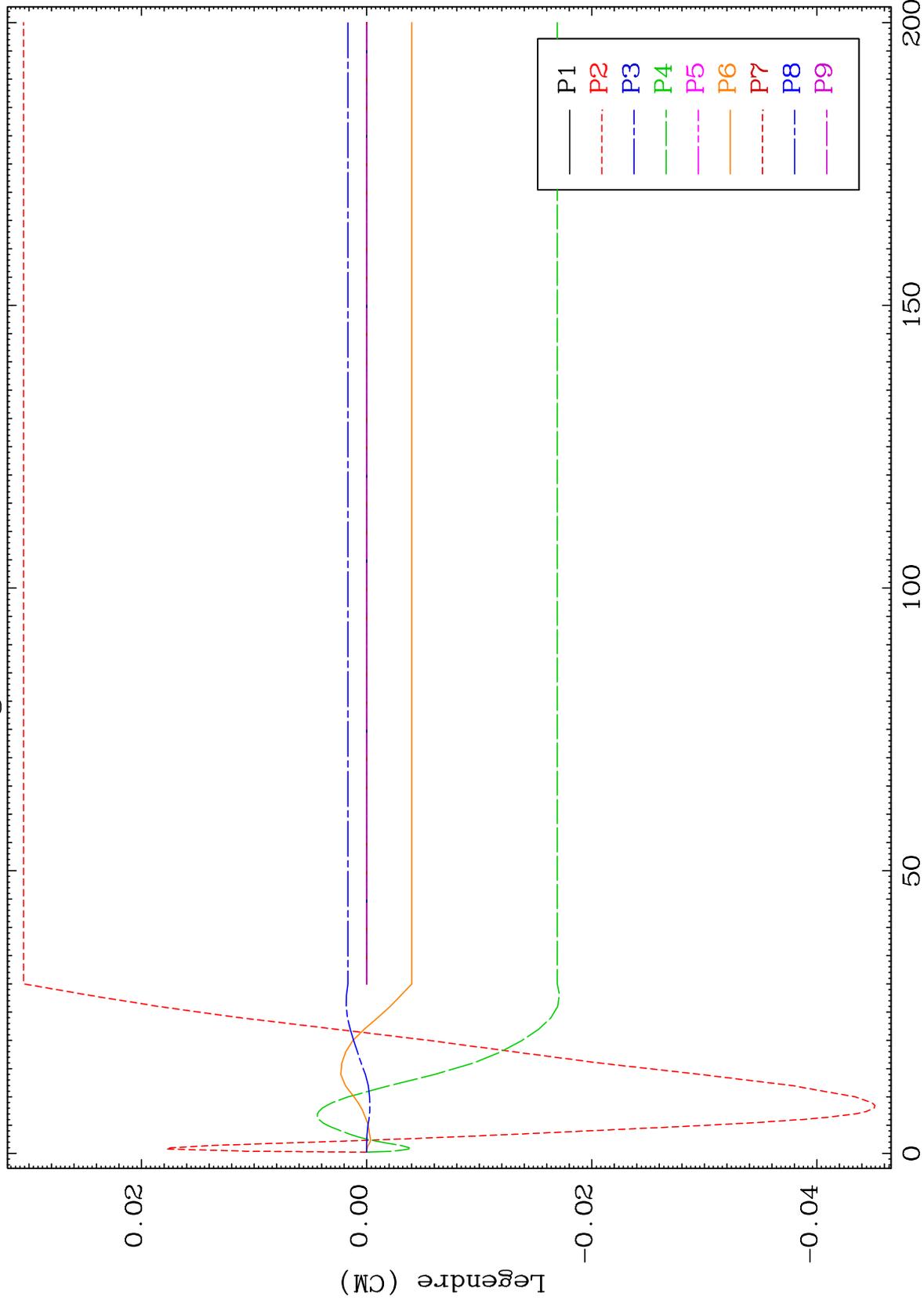
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MAT 6164

221.0 keV (n,n') Level
Legendre Coefficients

61-Pm-152



37

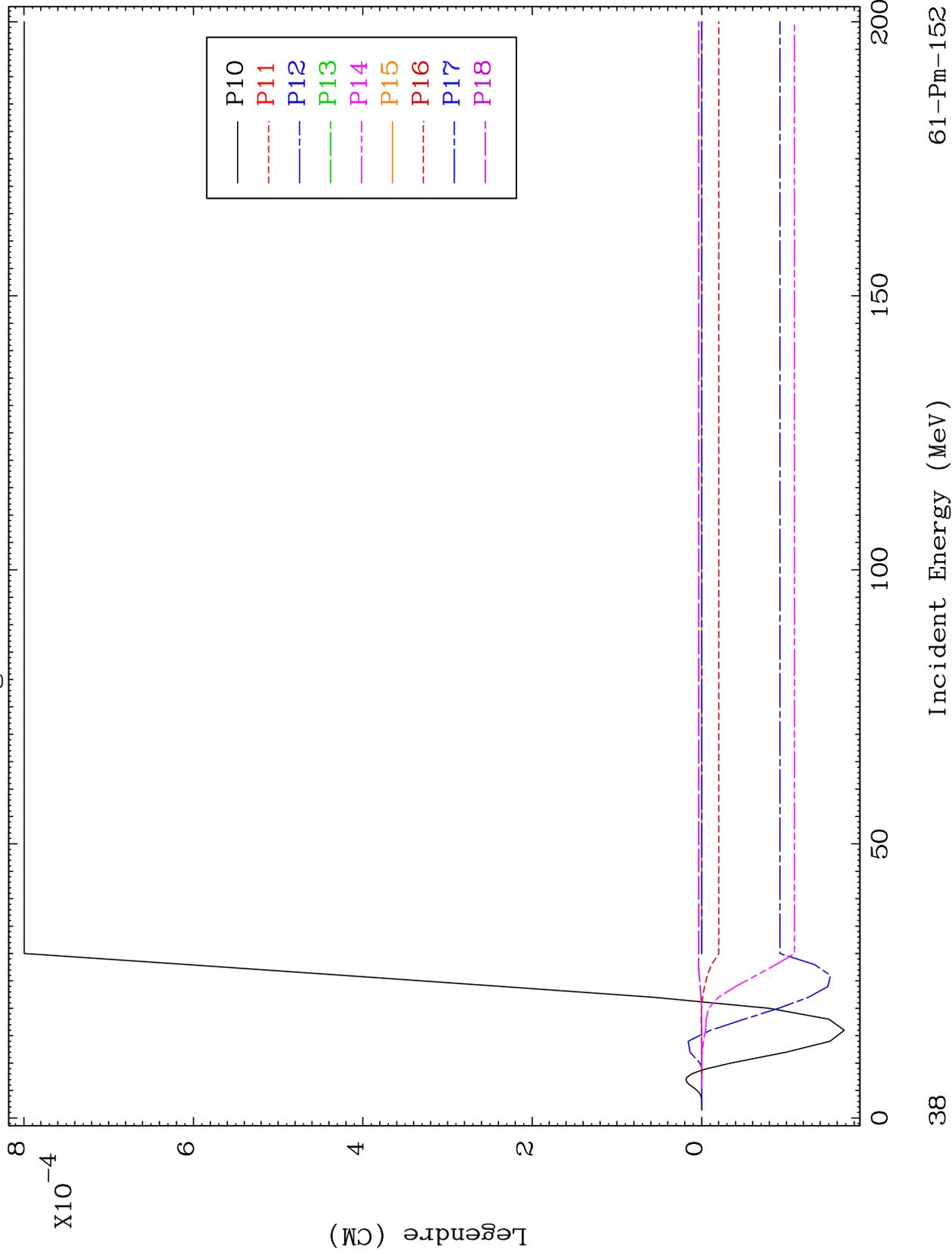
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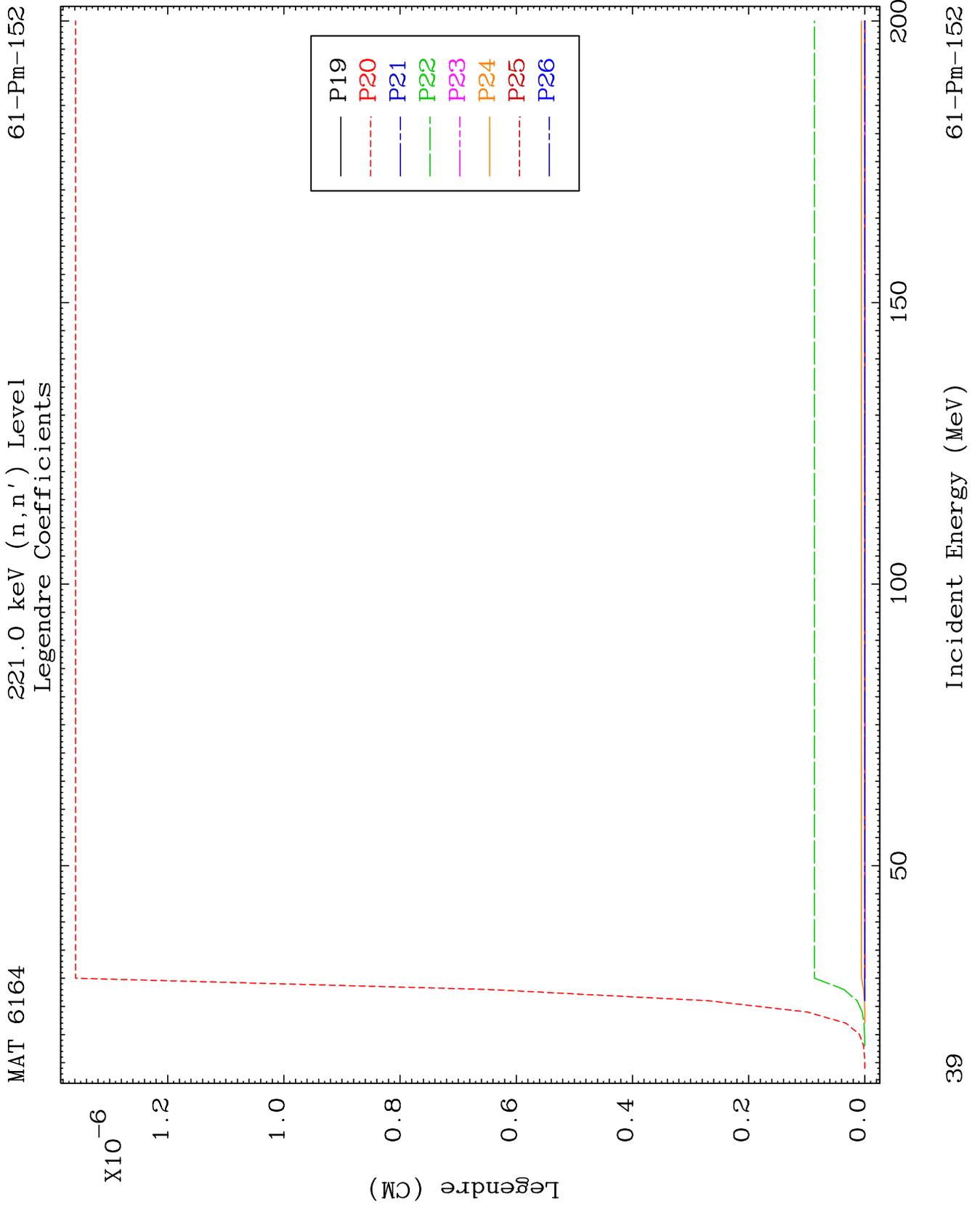
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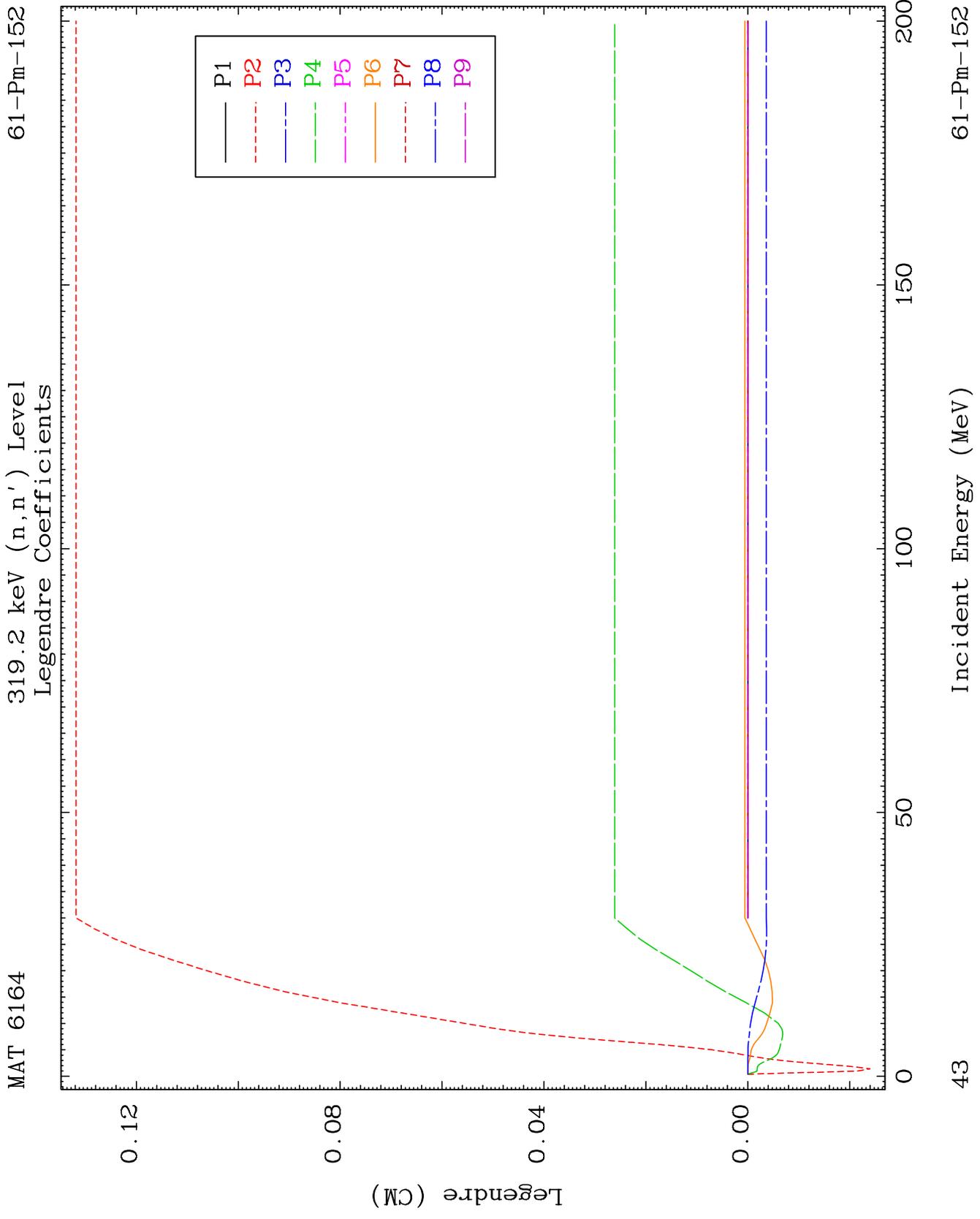
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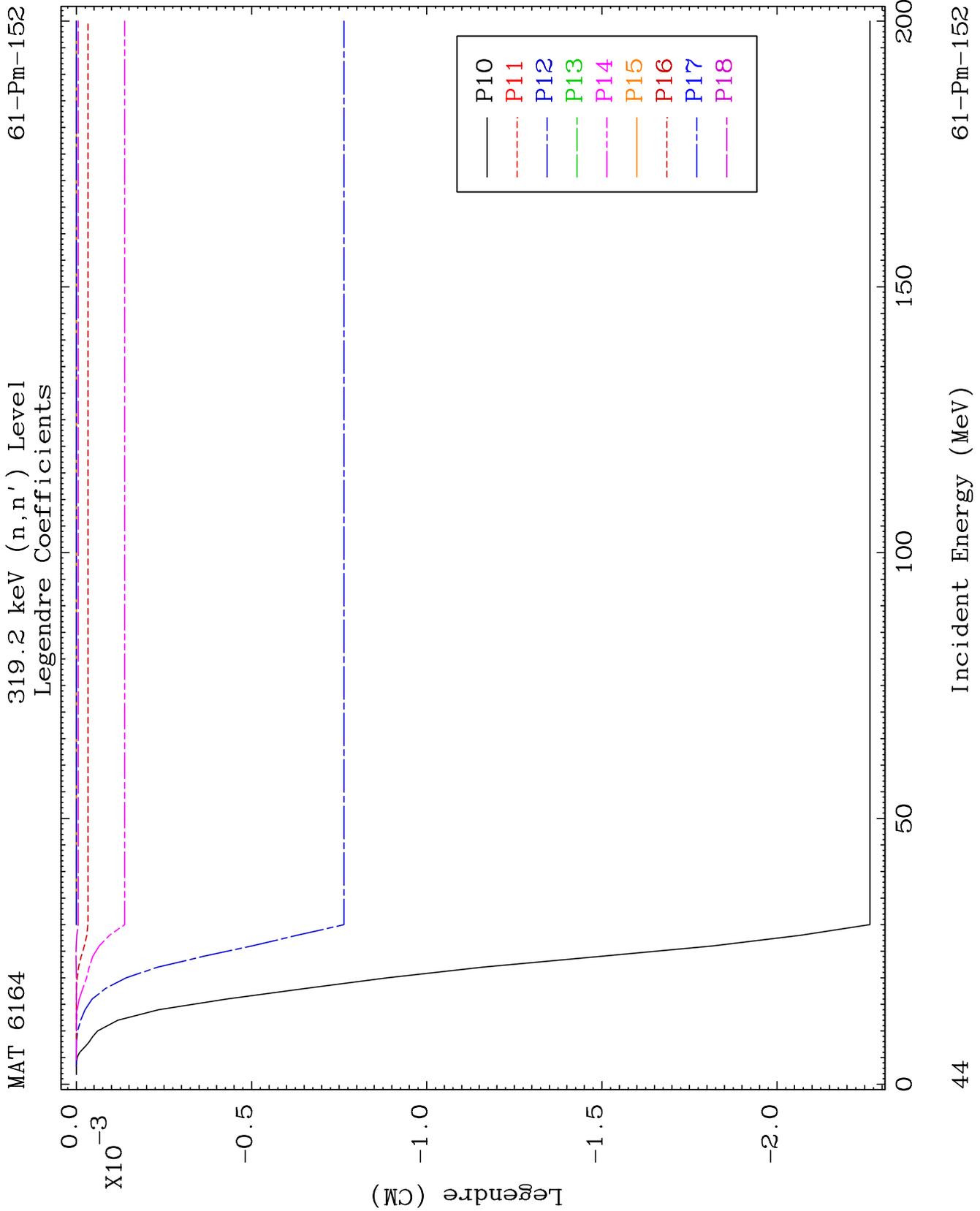
221.0 keV (n,n') Level
Legendre Coefficients

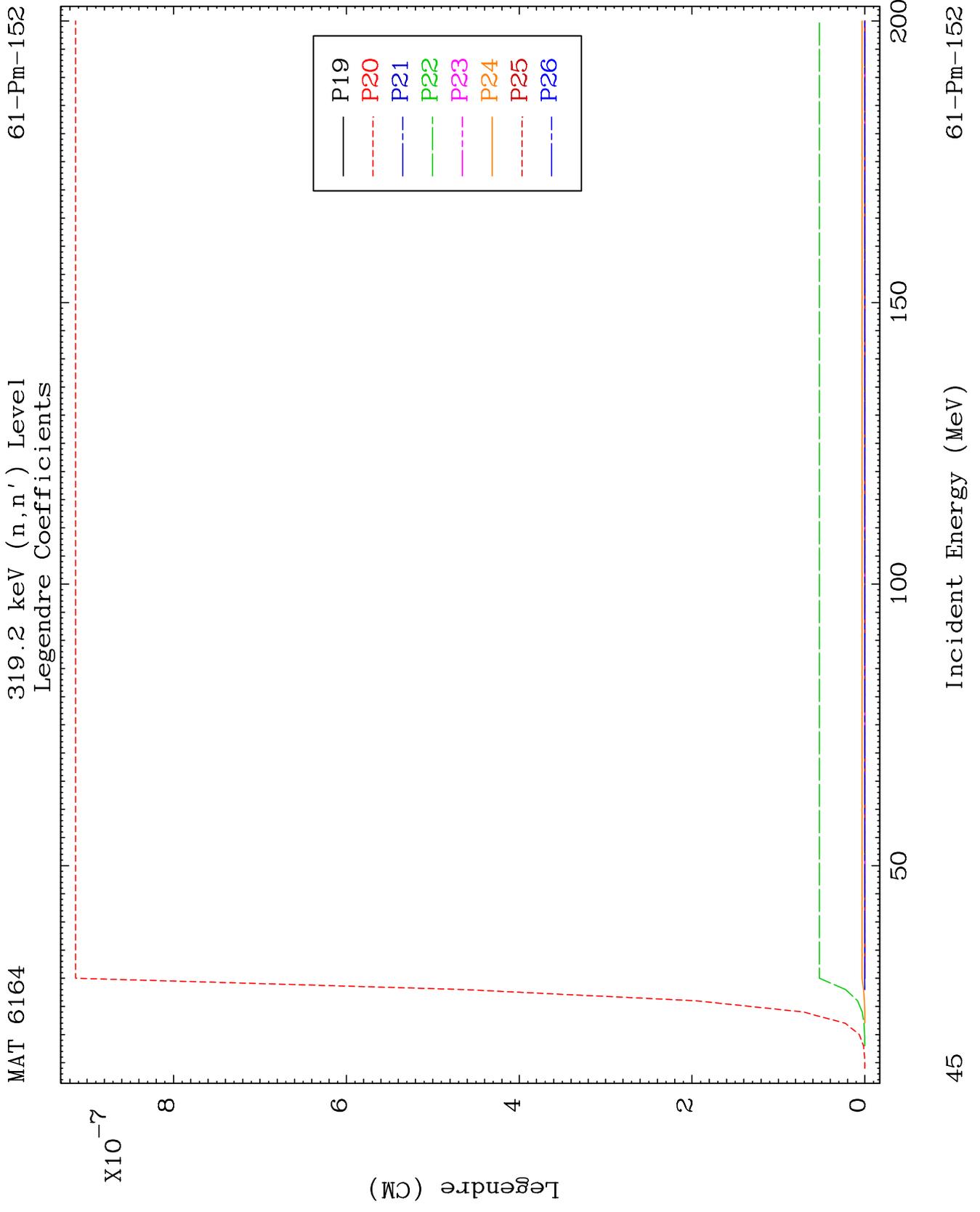
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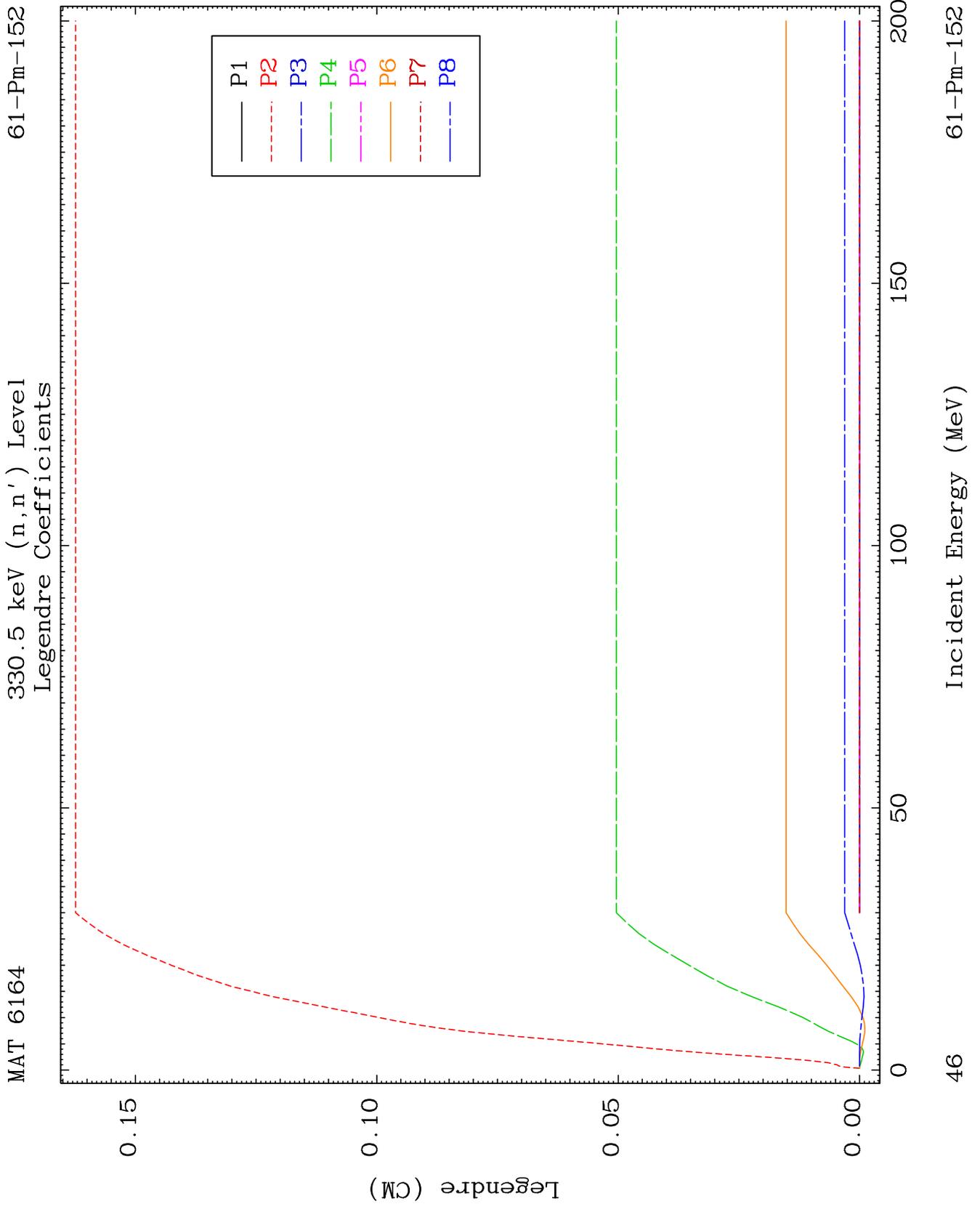


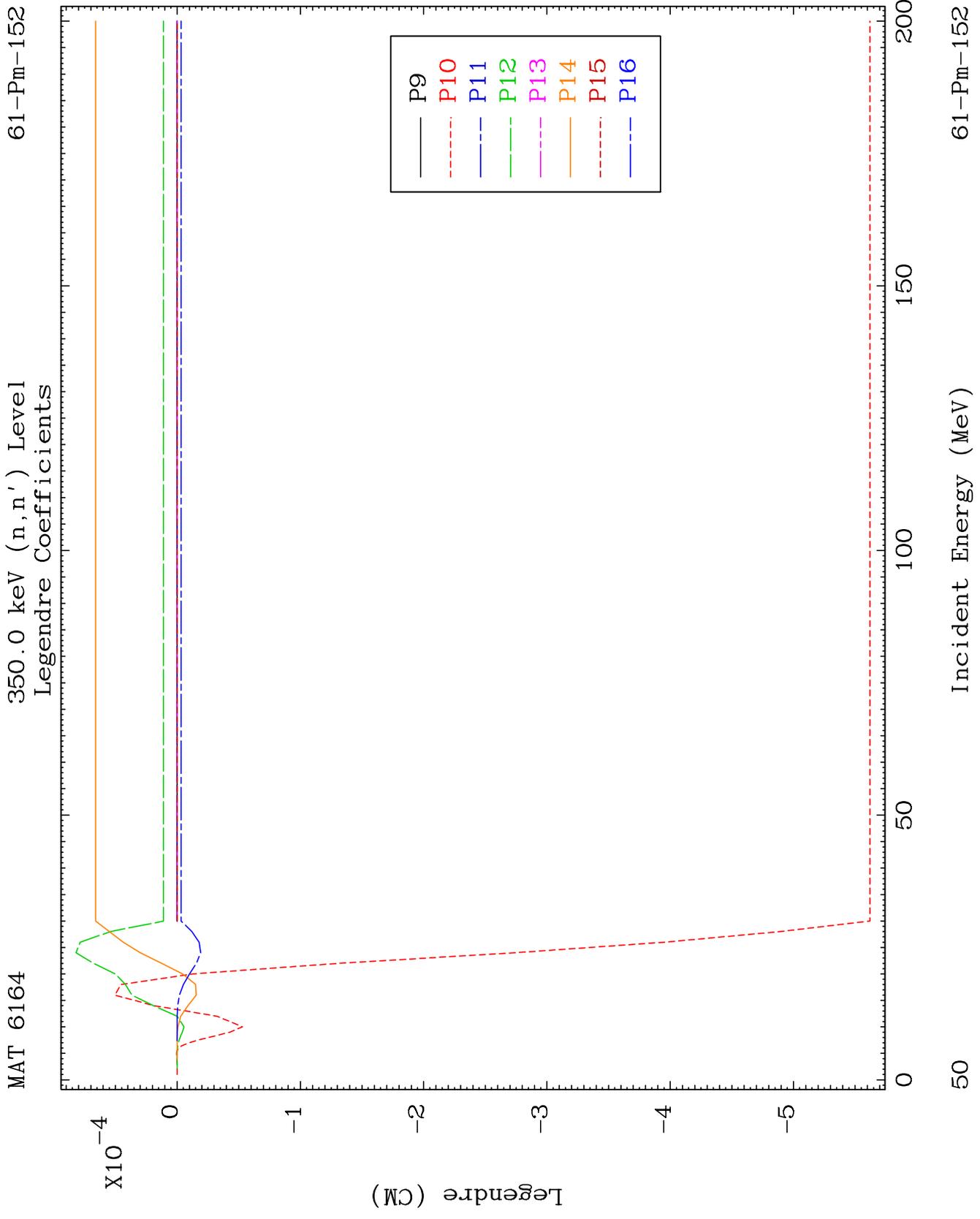


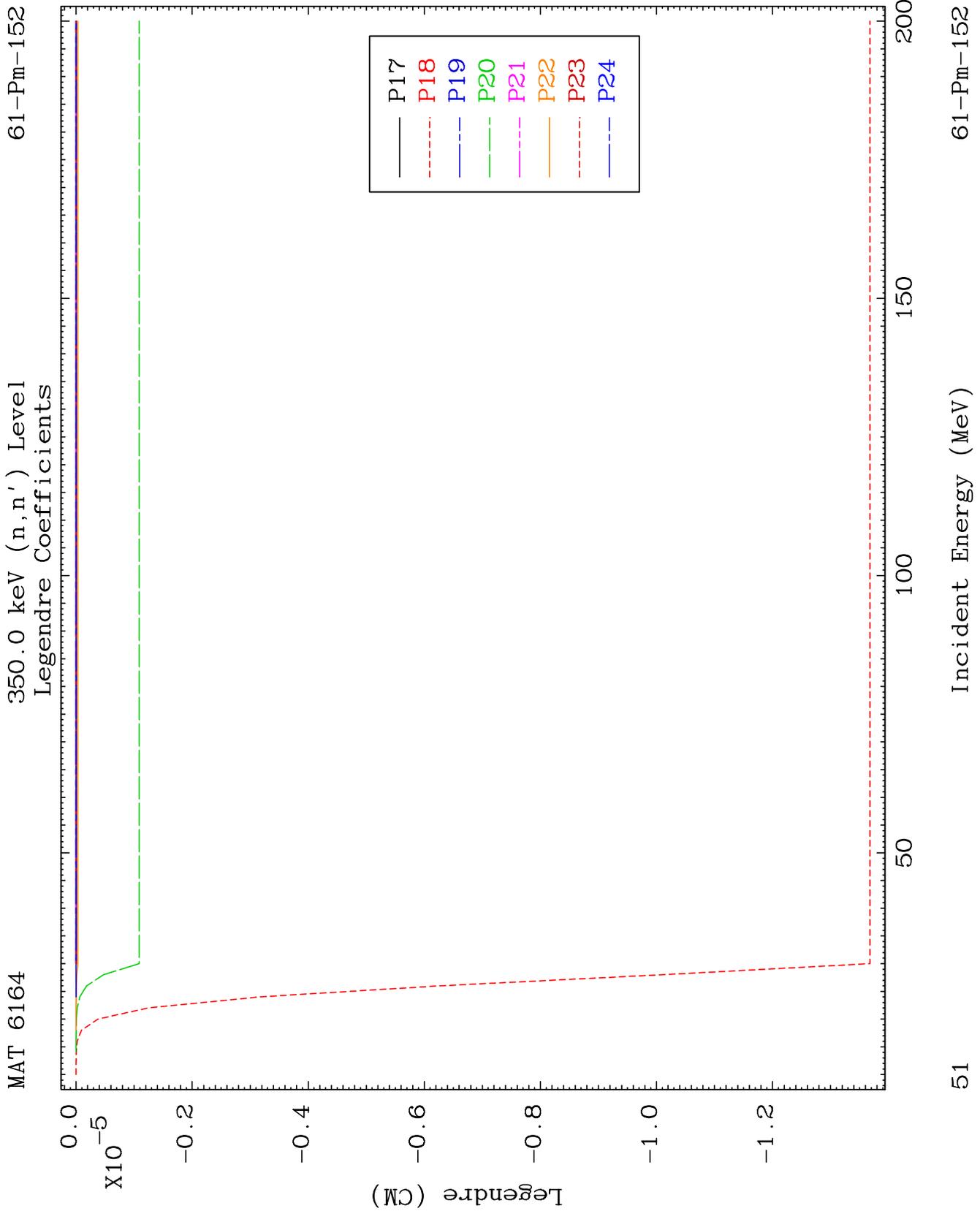








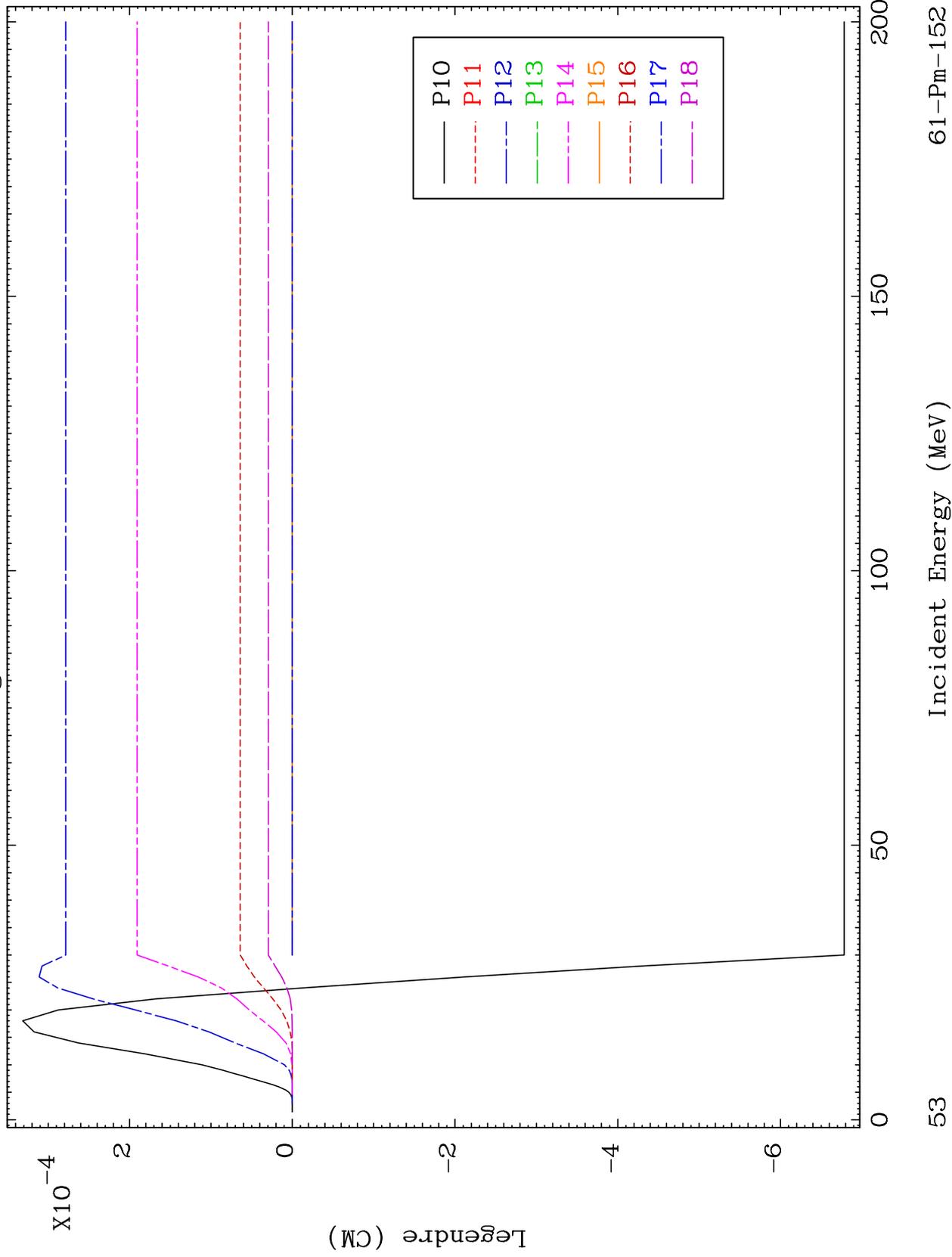




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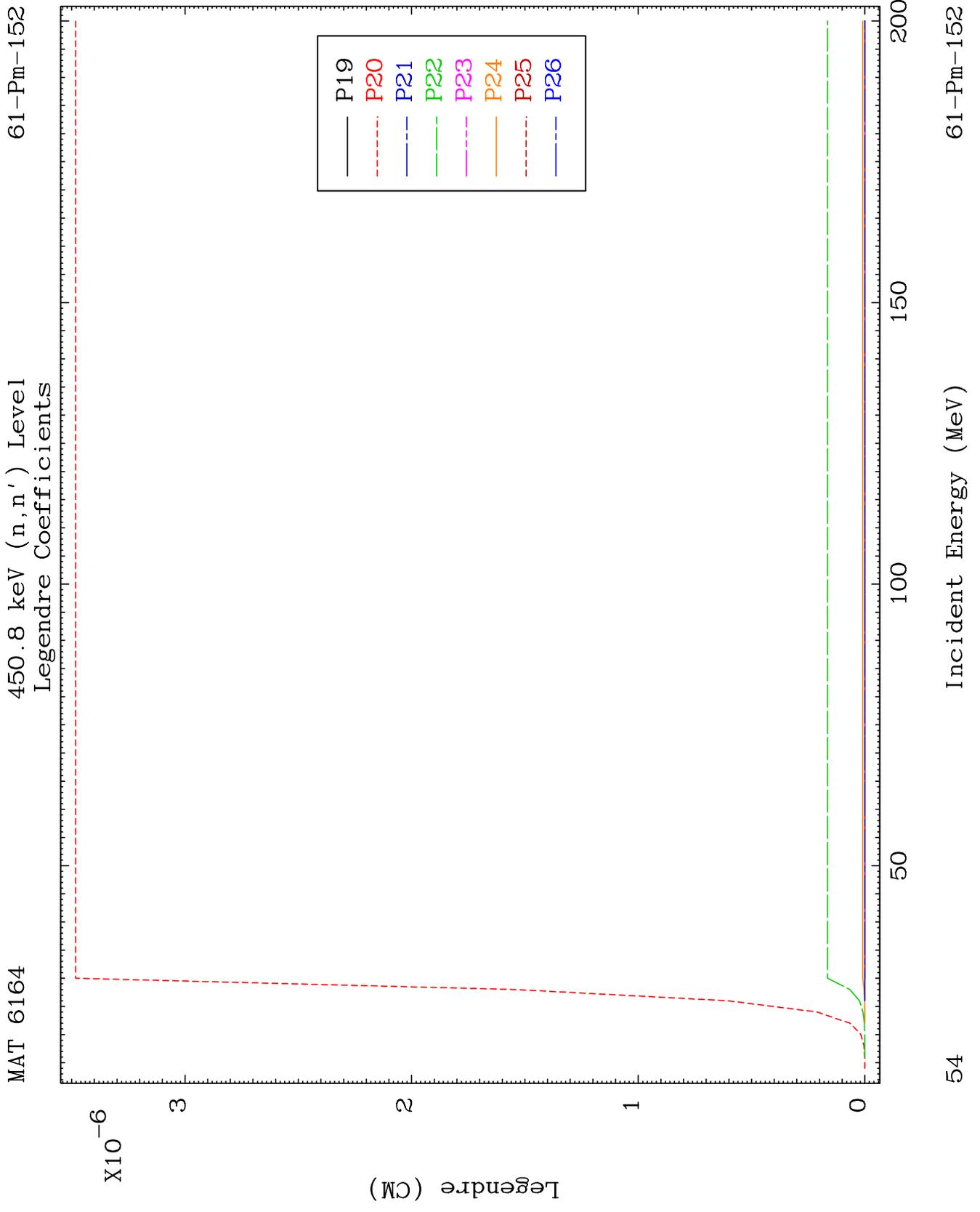
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Legendre Coefficients

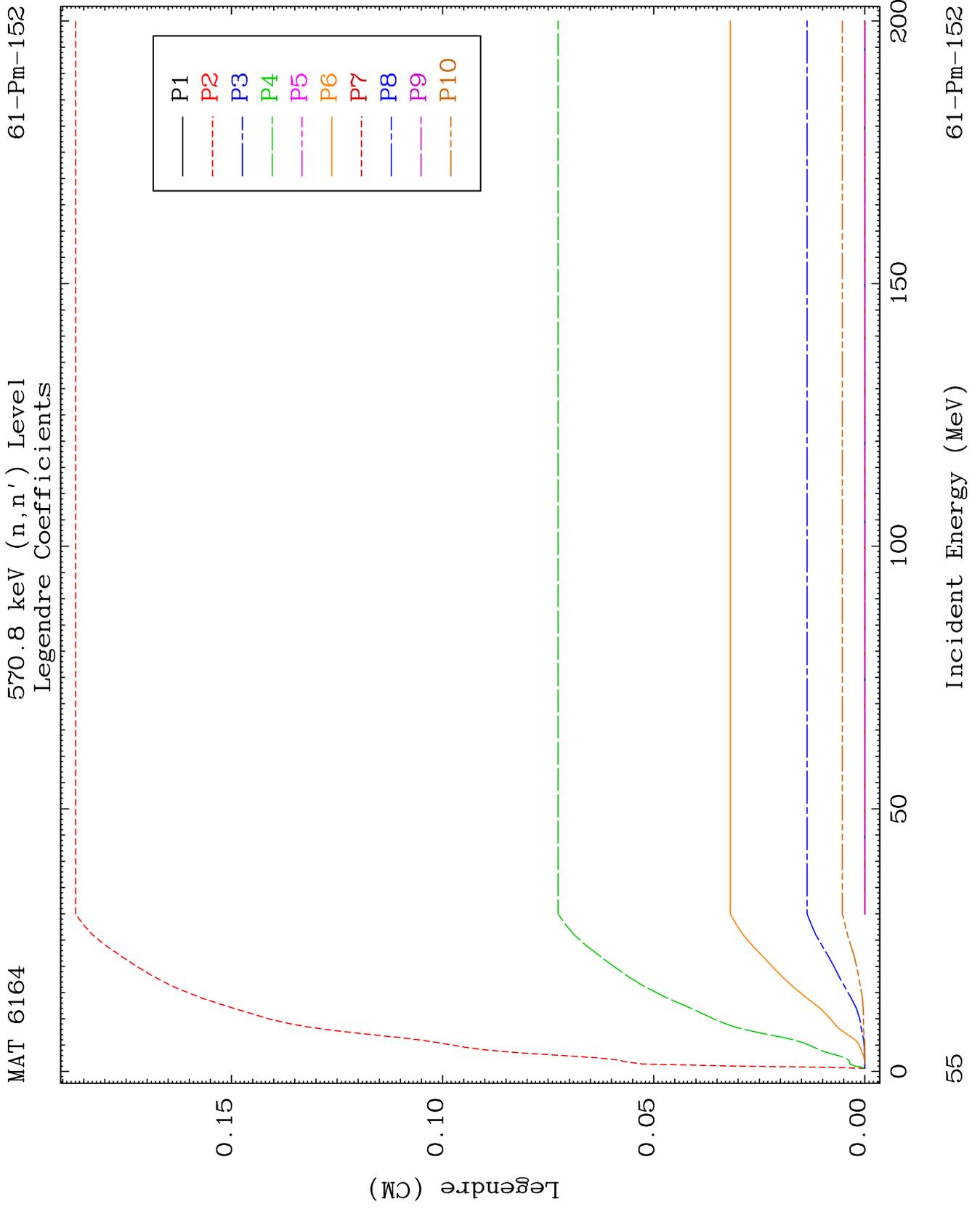
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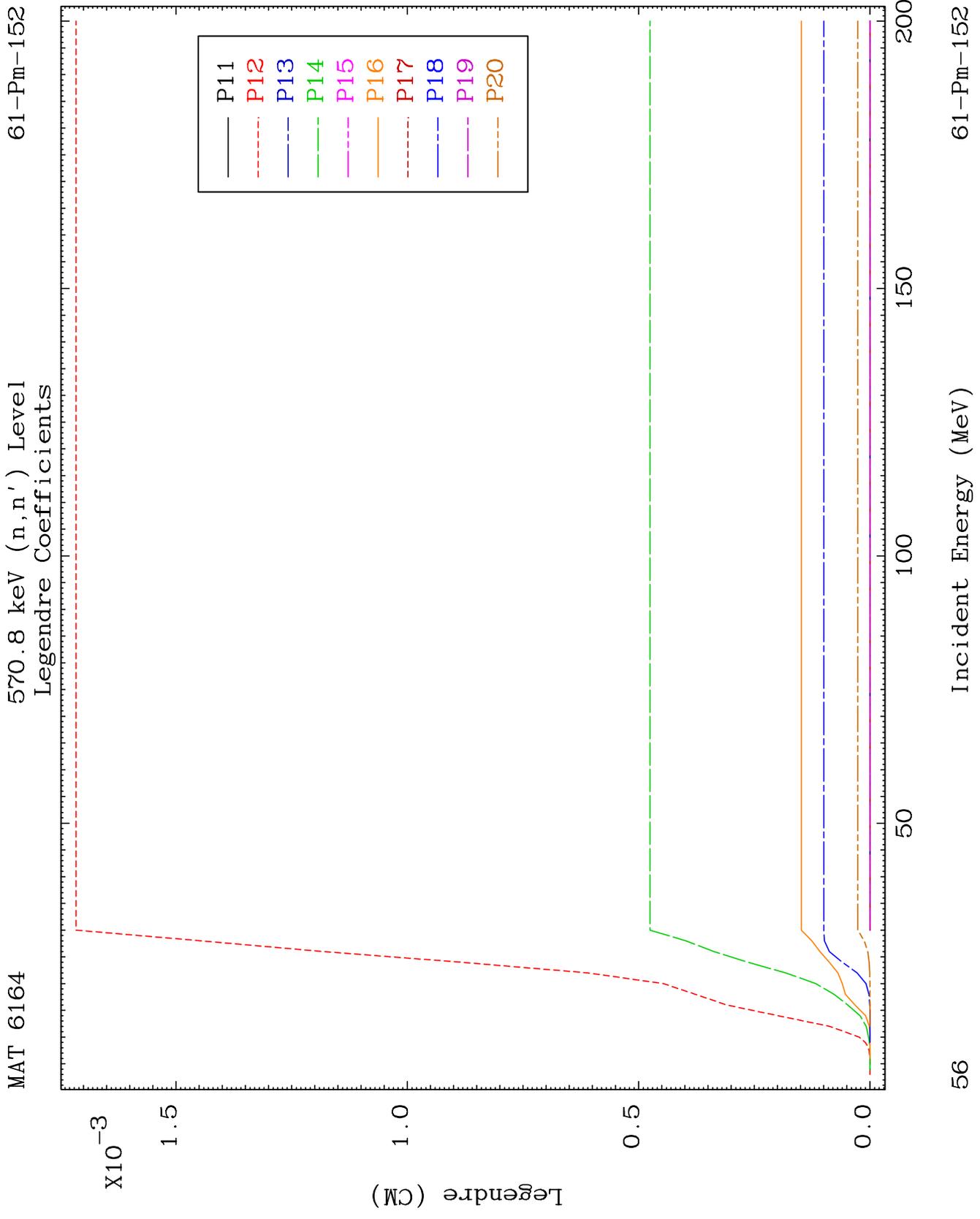


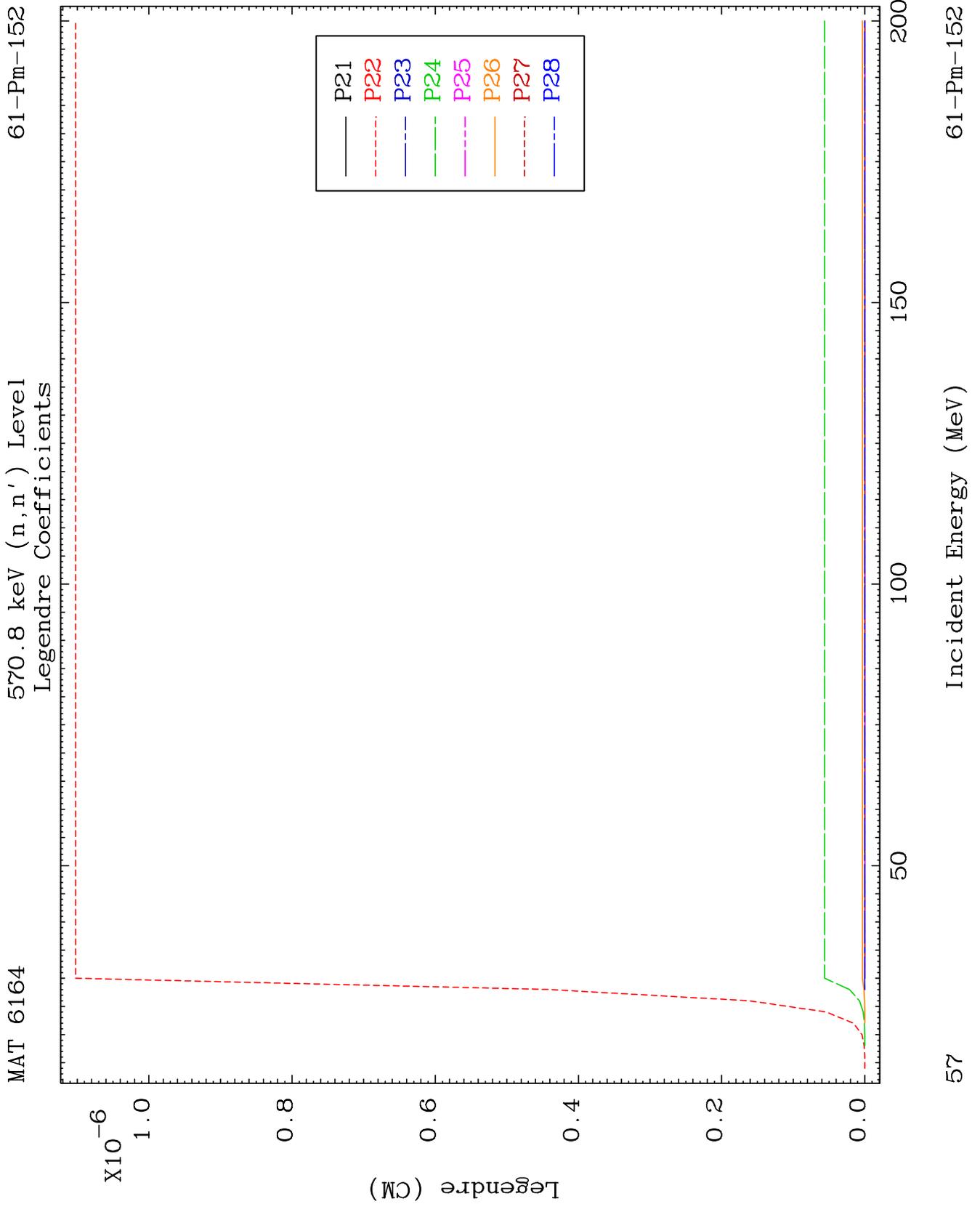
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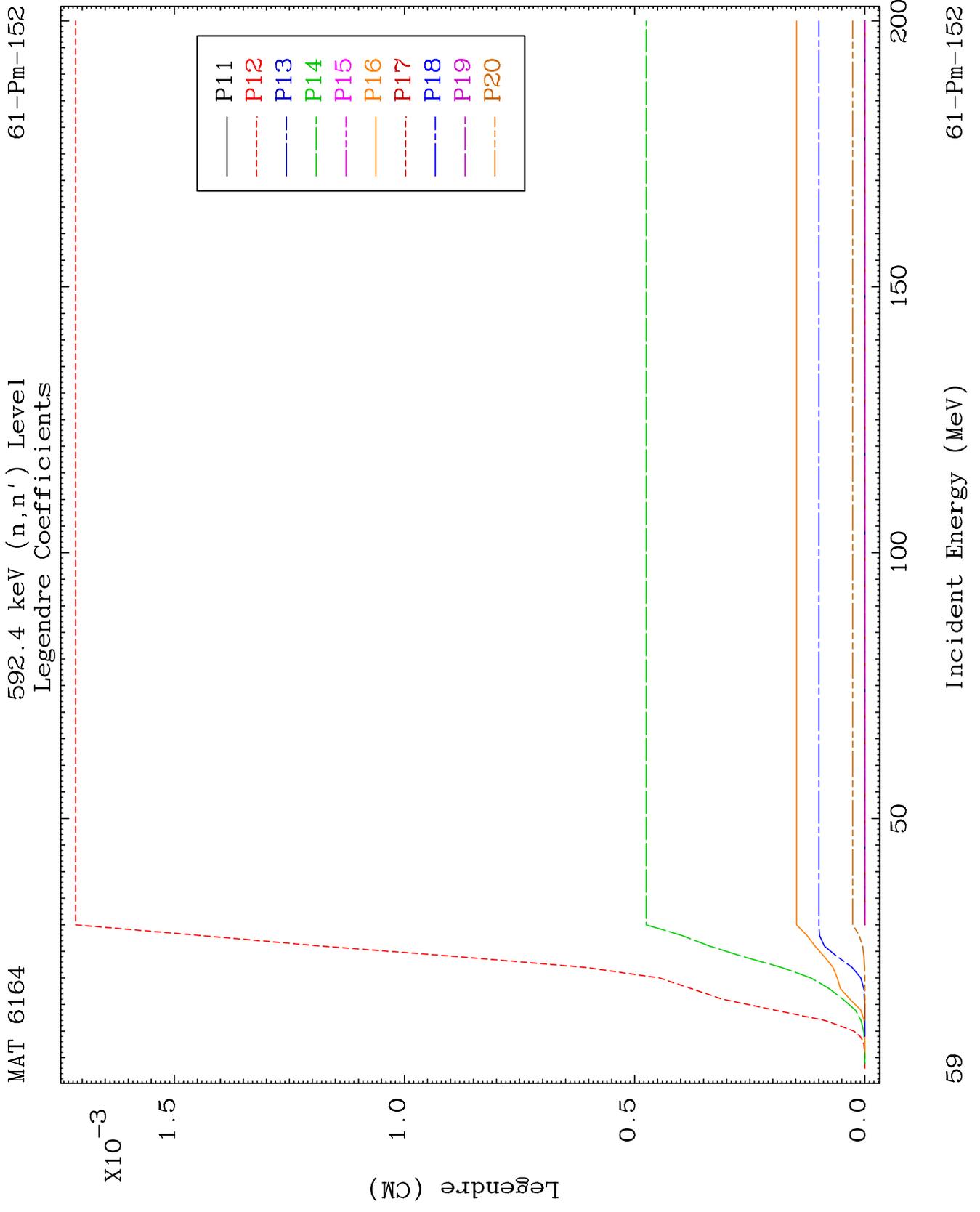
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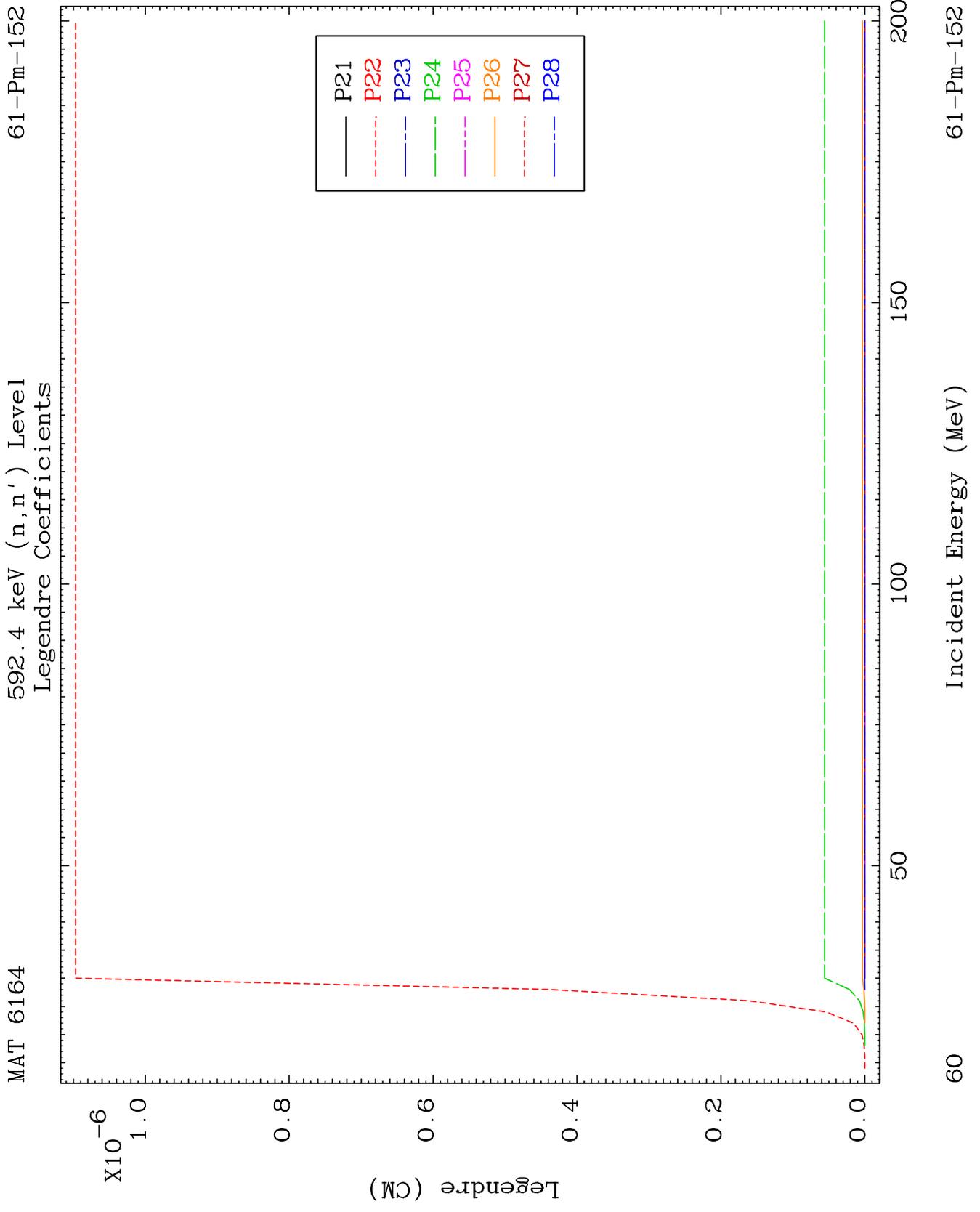


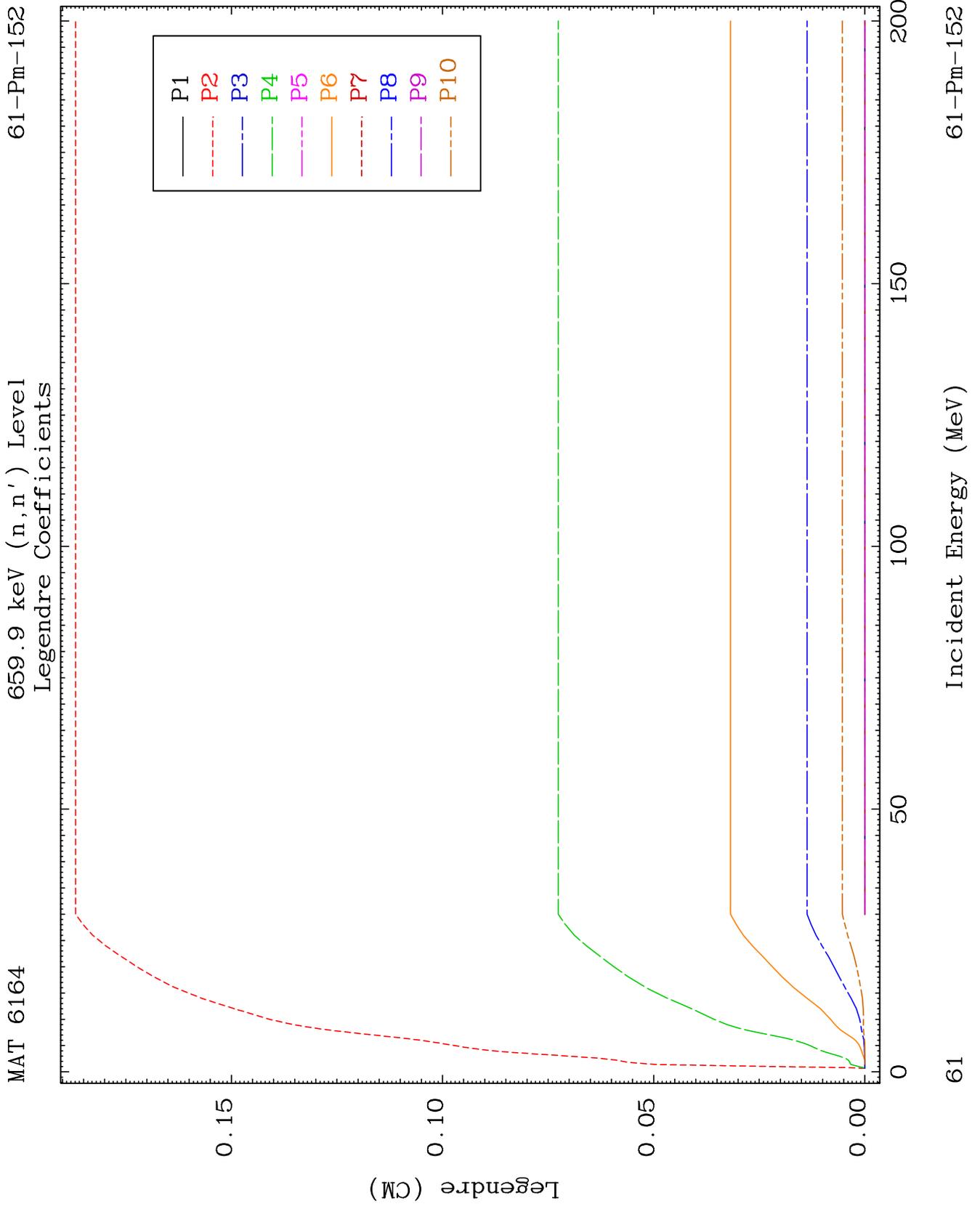


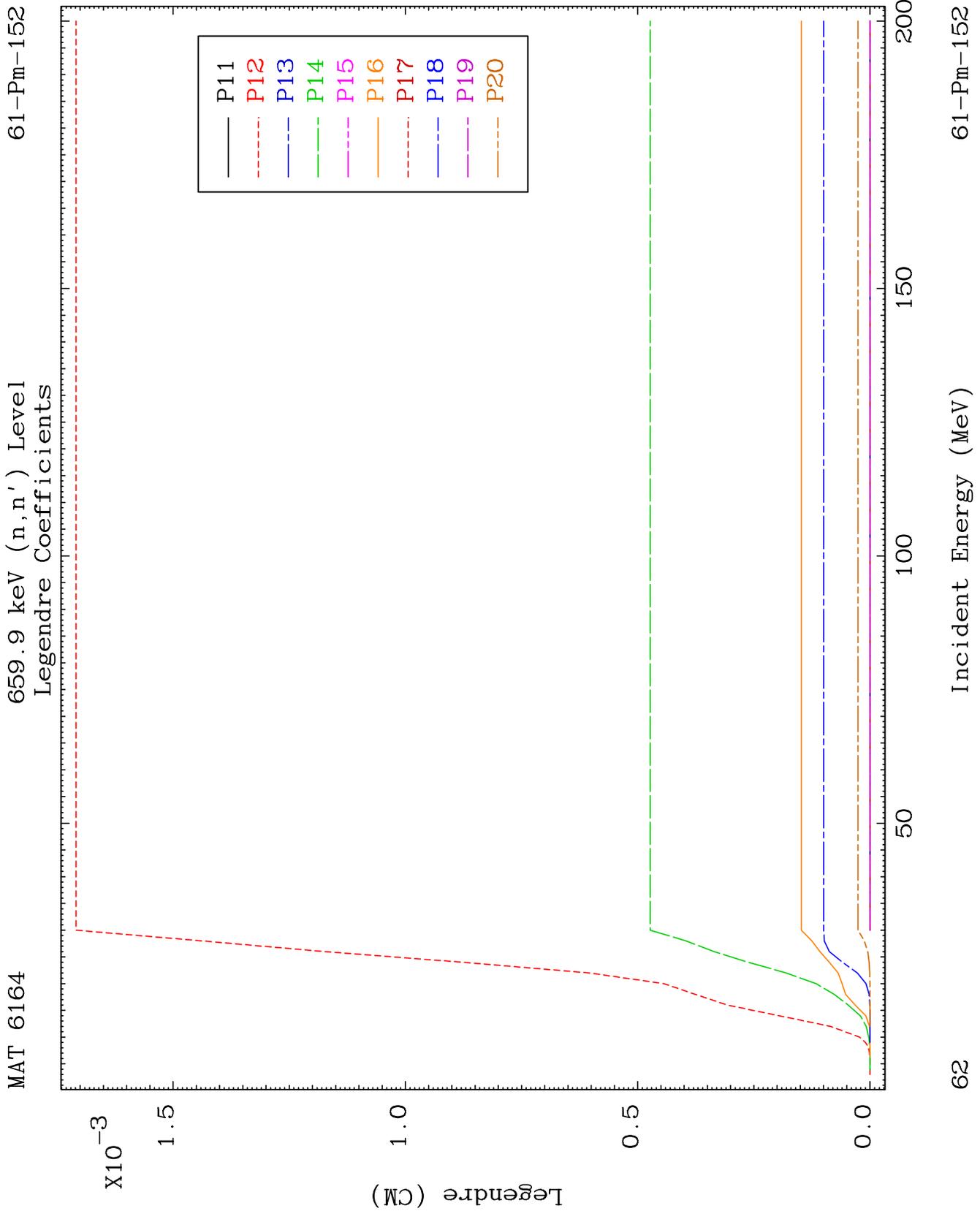








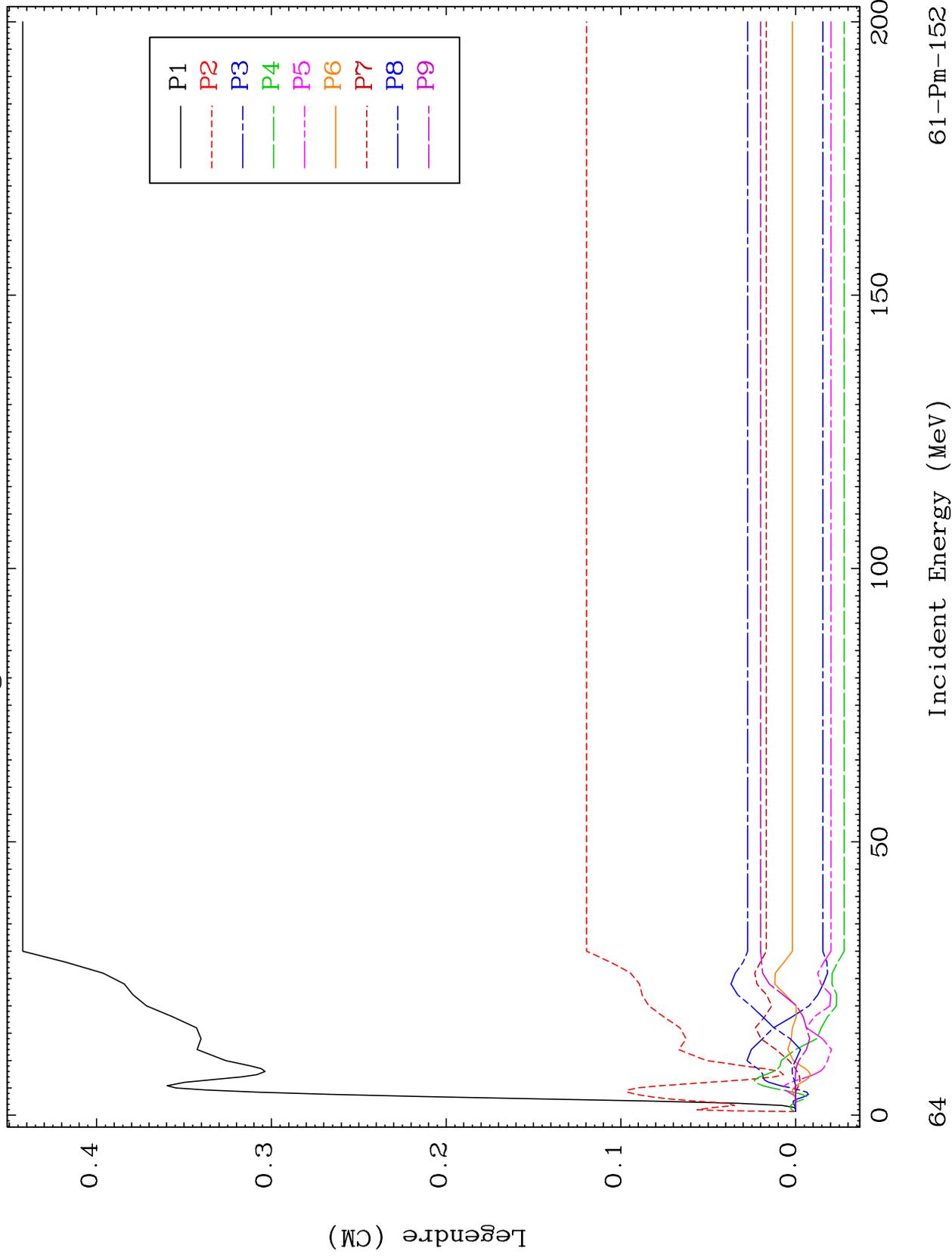




MAT 6164

662.2 keV (n,n') Level
Legendre Coefficients

61-Pm-152



61-Pm-152

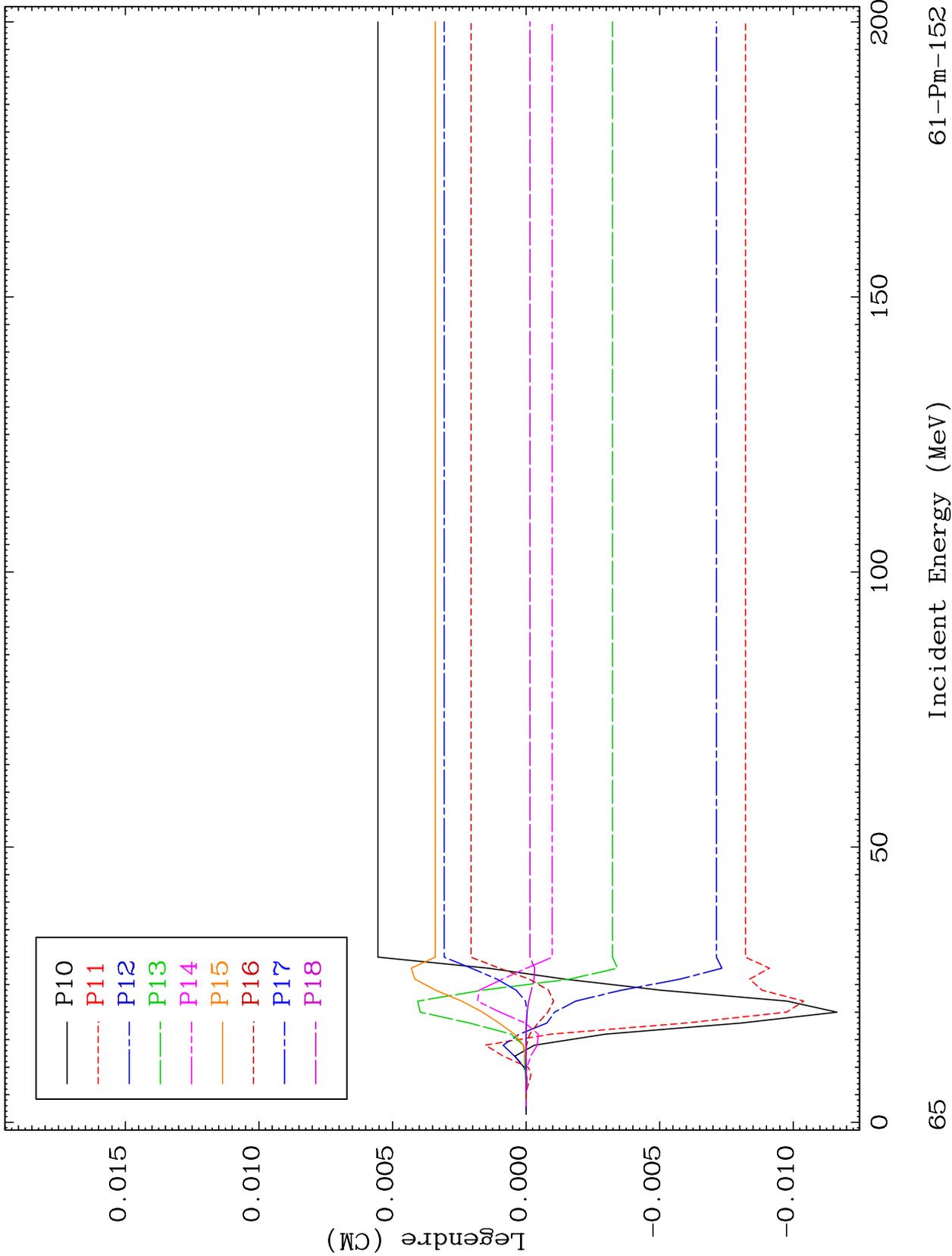
Incident Energy (MeV)

64

MAT 6164

662.2 keV (n,n') Level
Legendre Coefficients

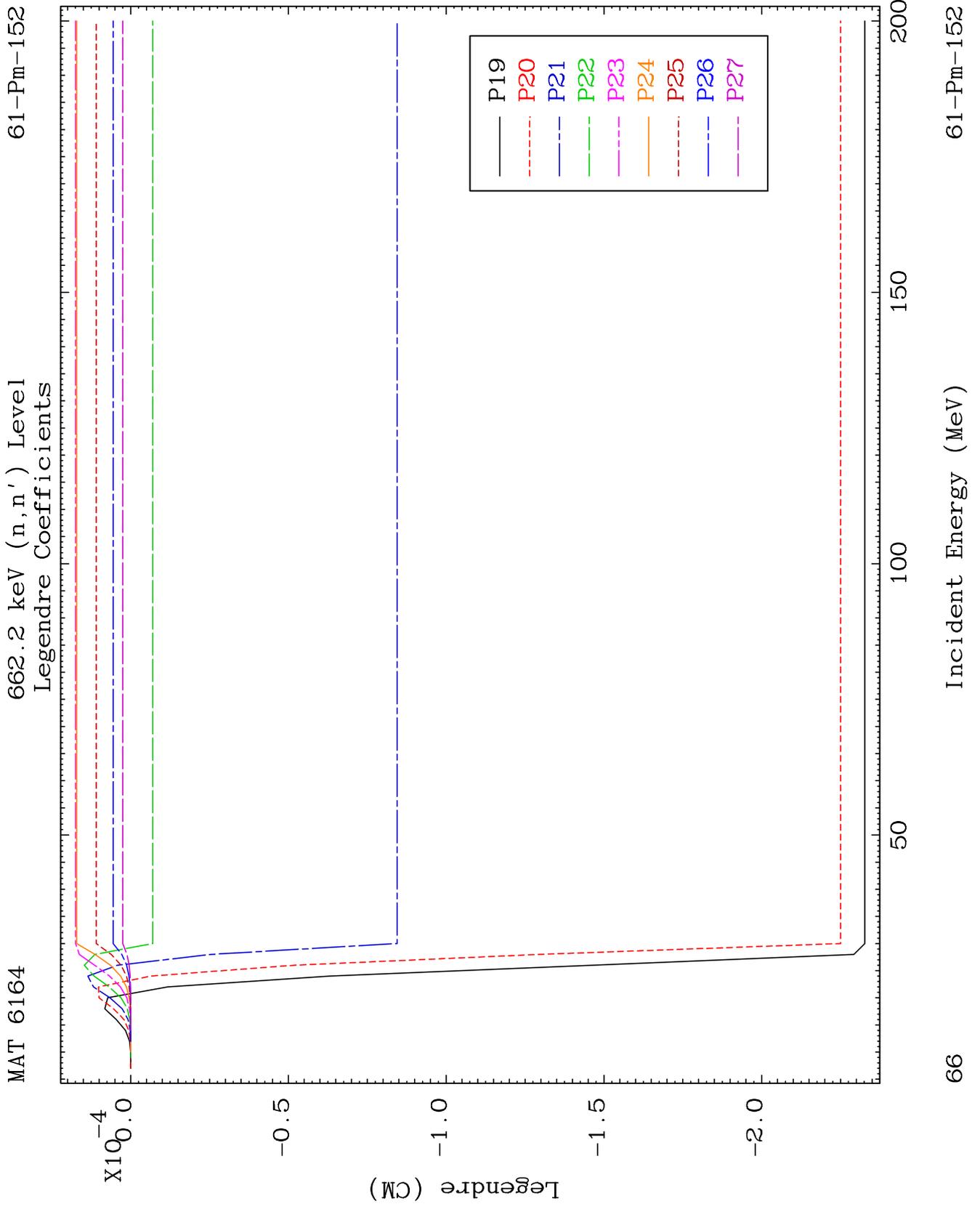
61-Pm-152



65

Incident Energy (MeV)

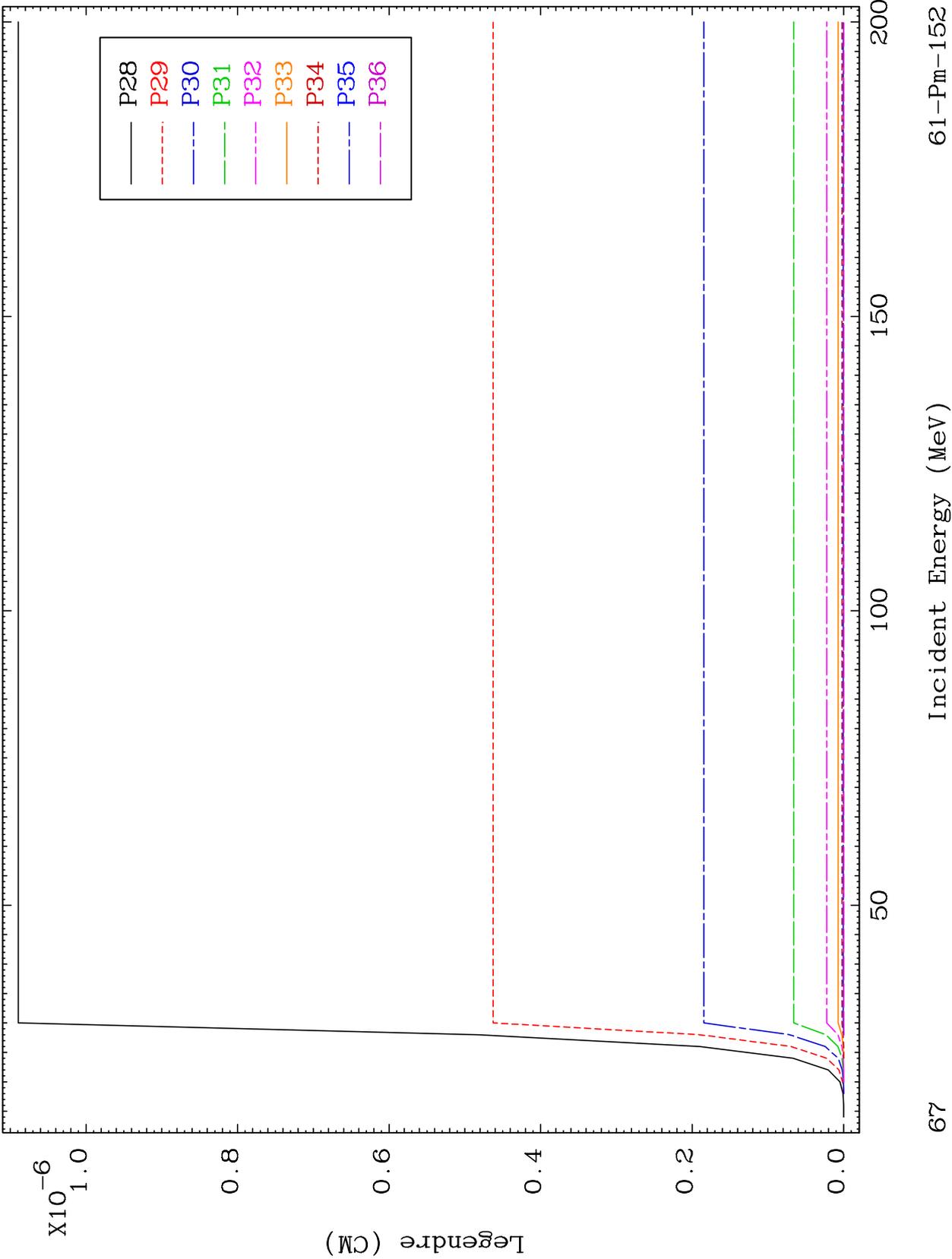
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MAT 6164

662.2 keV (n,n') Level
Legendre Coefficients

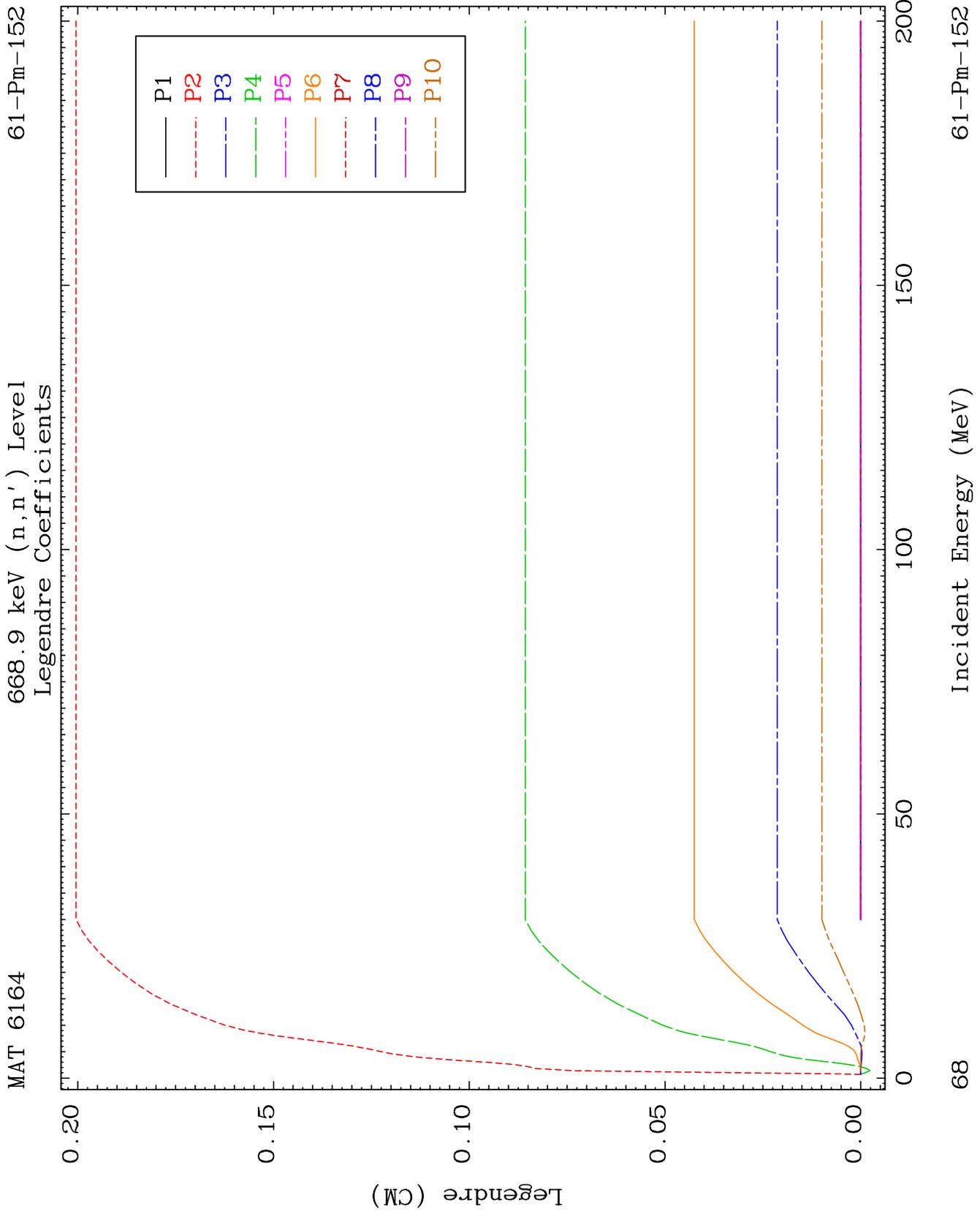
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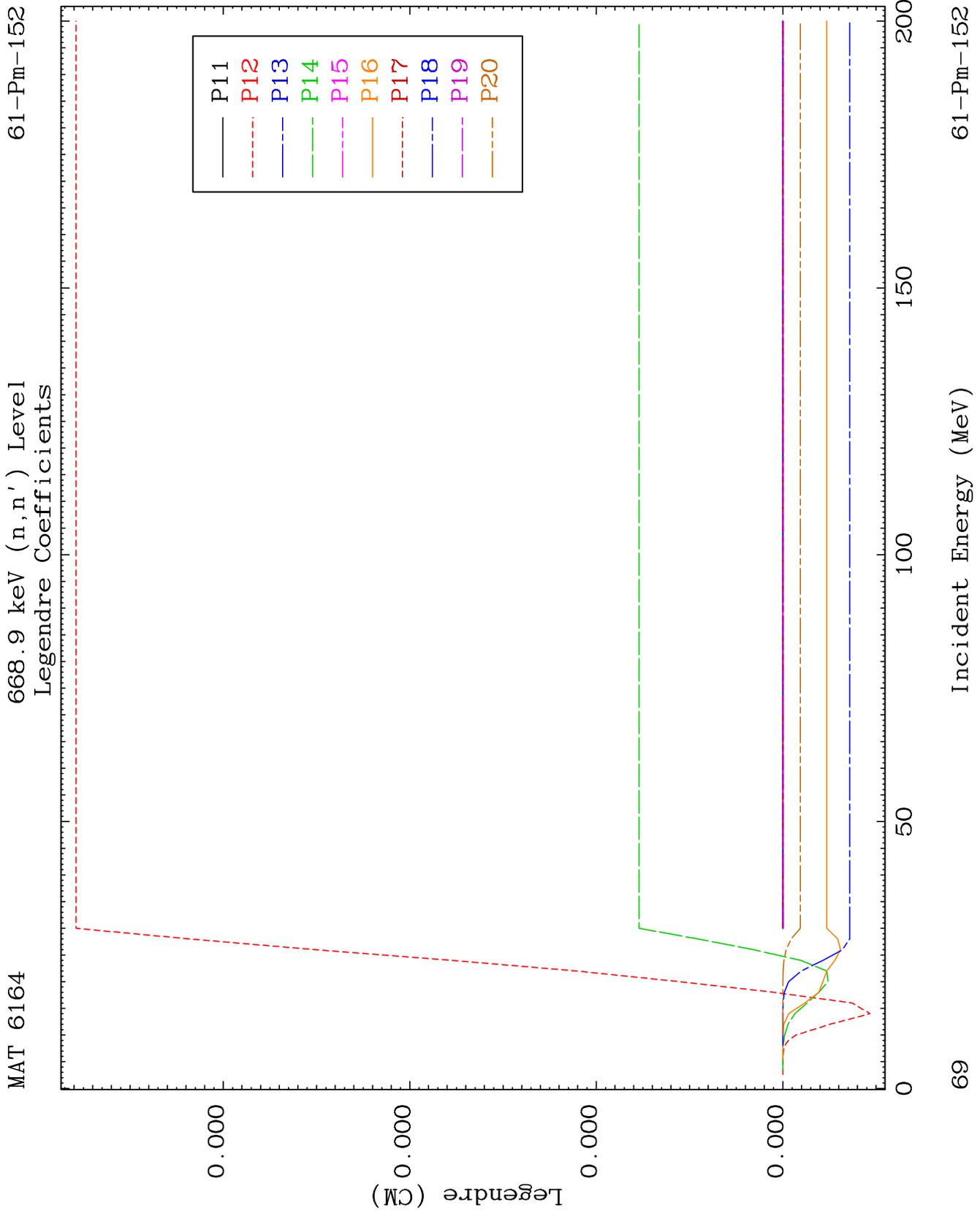


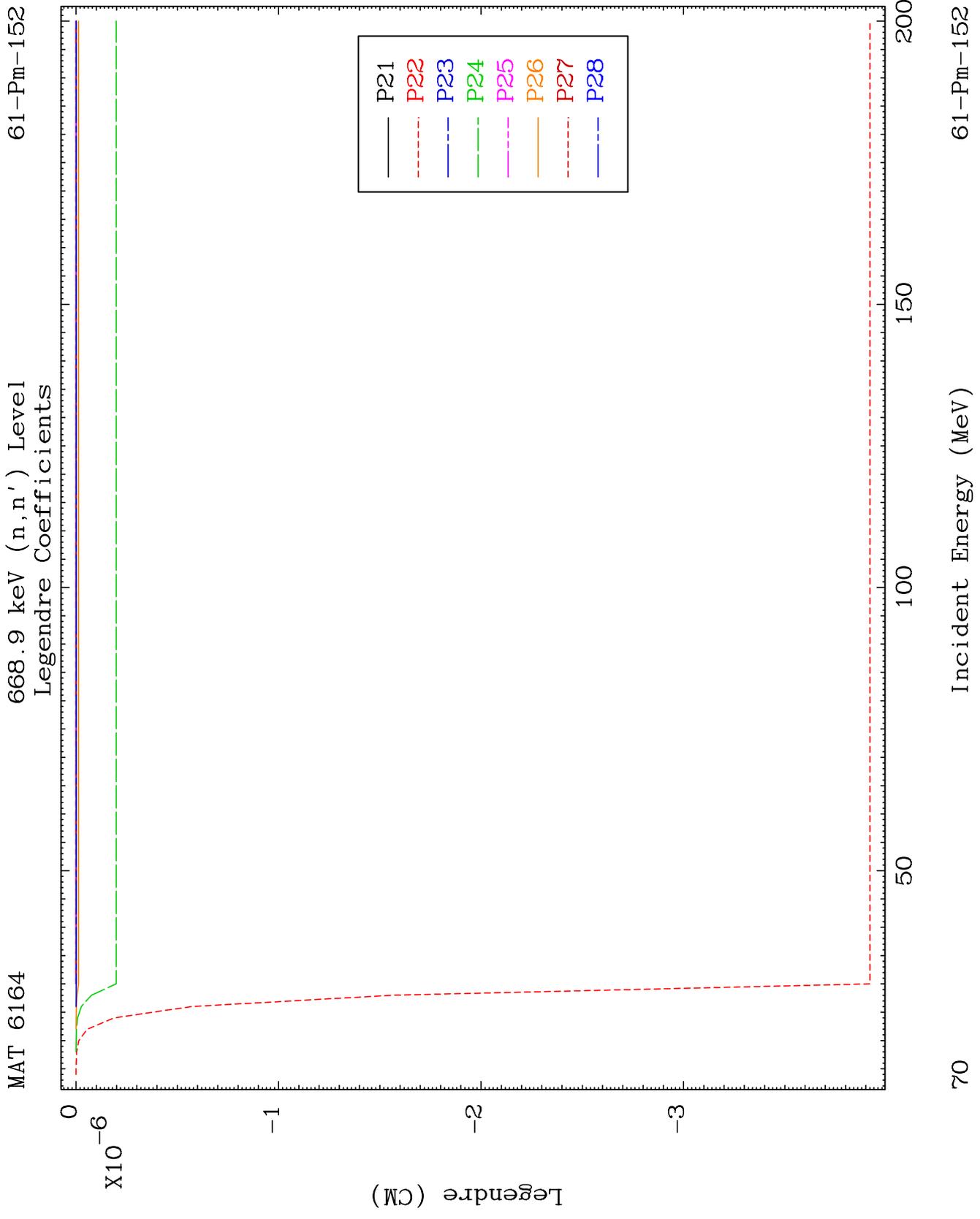
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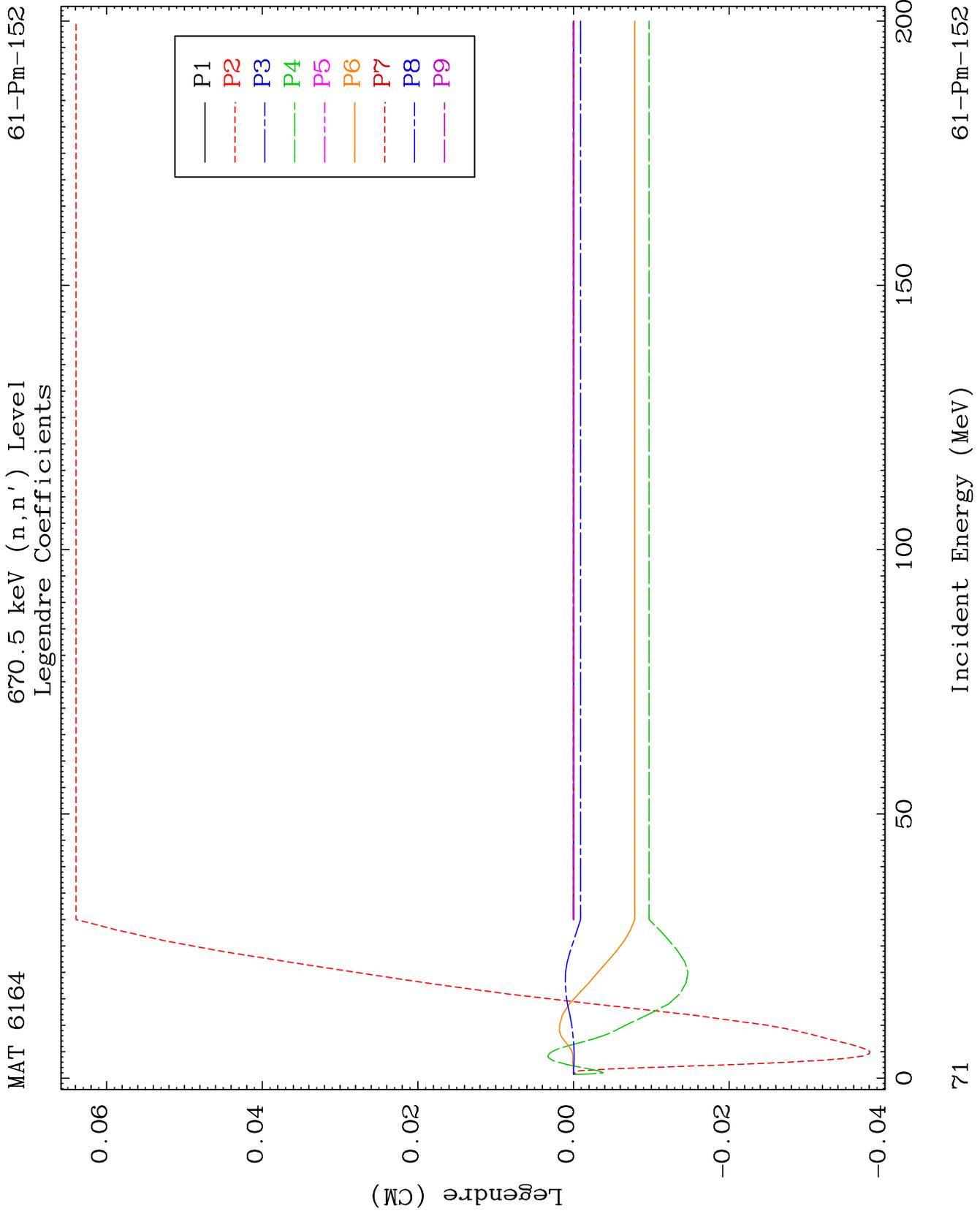
Incident Energy (MeV)

61-Pm-152





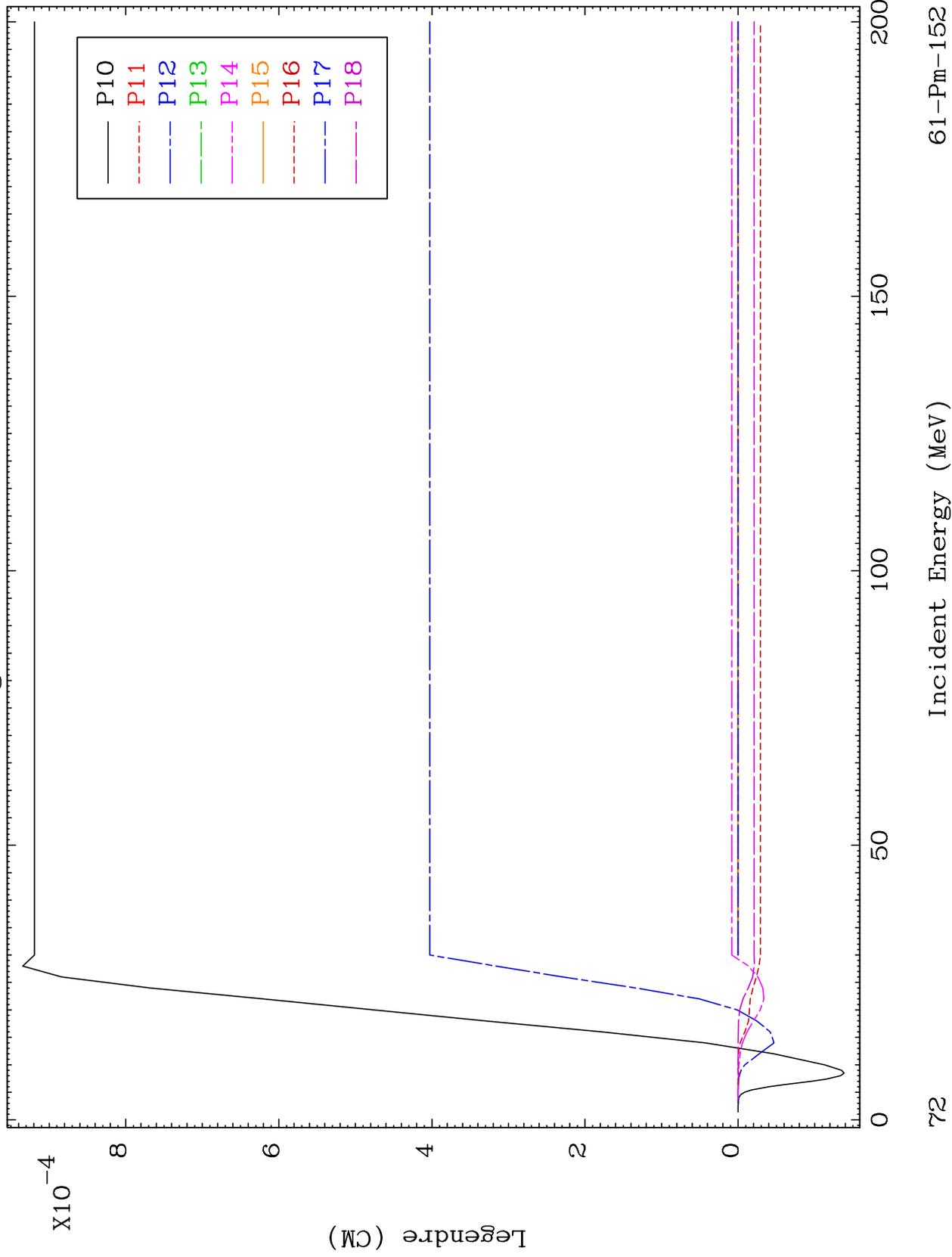


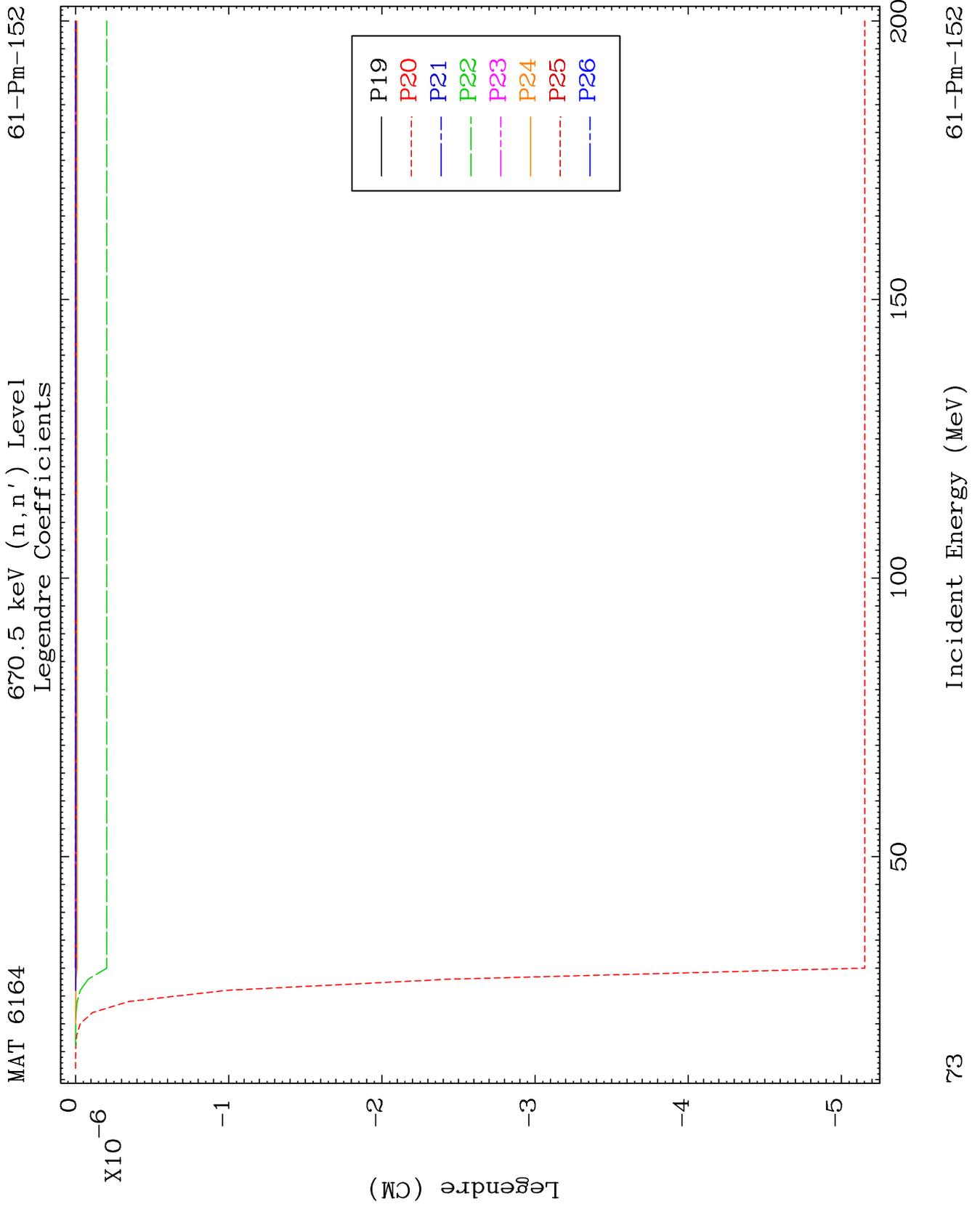


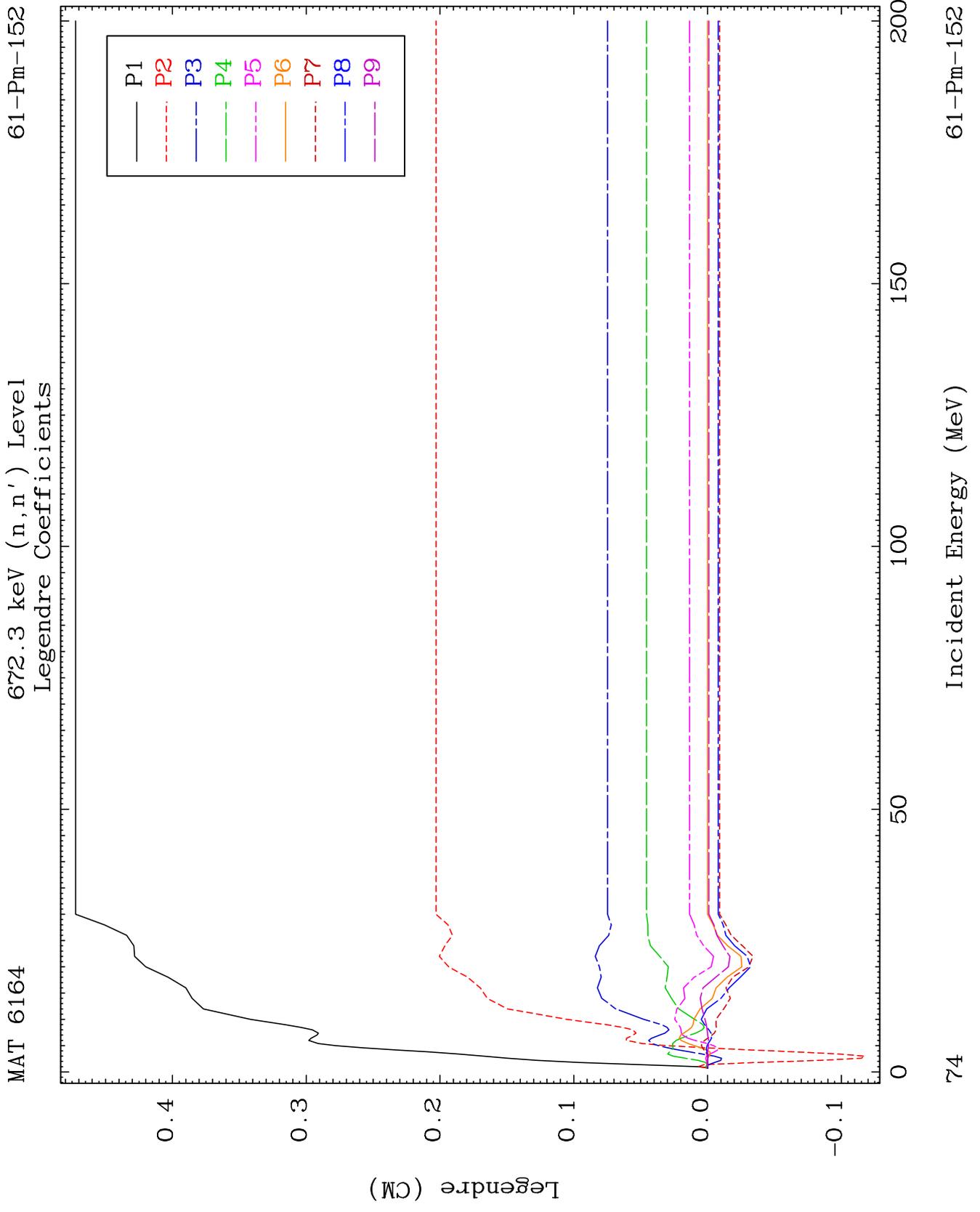
MAT 6164

670.5 keV (n,n') Level
Legendre Coefficients

61-Pm-152



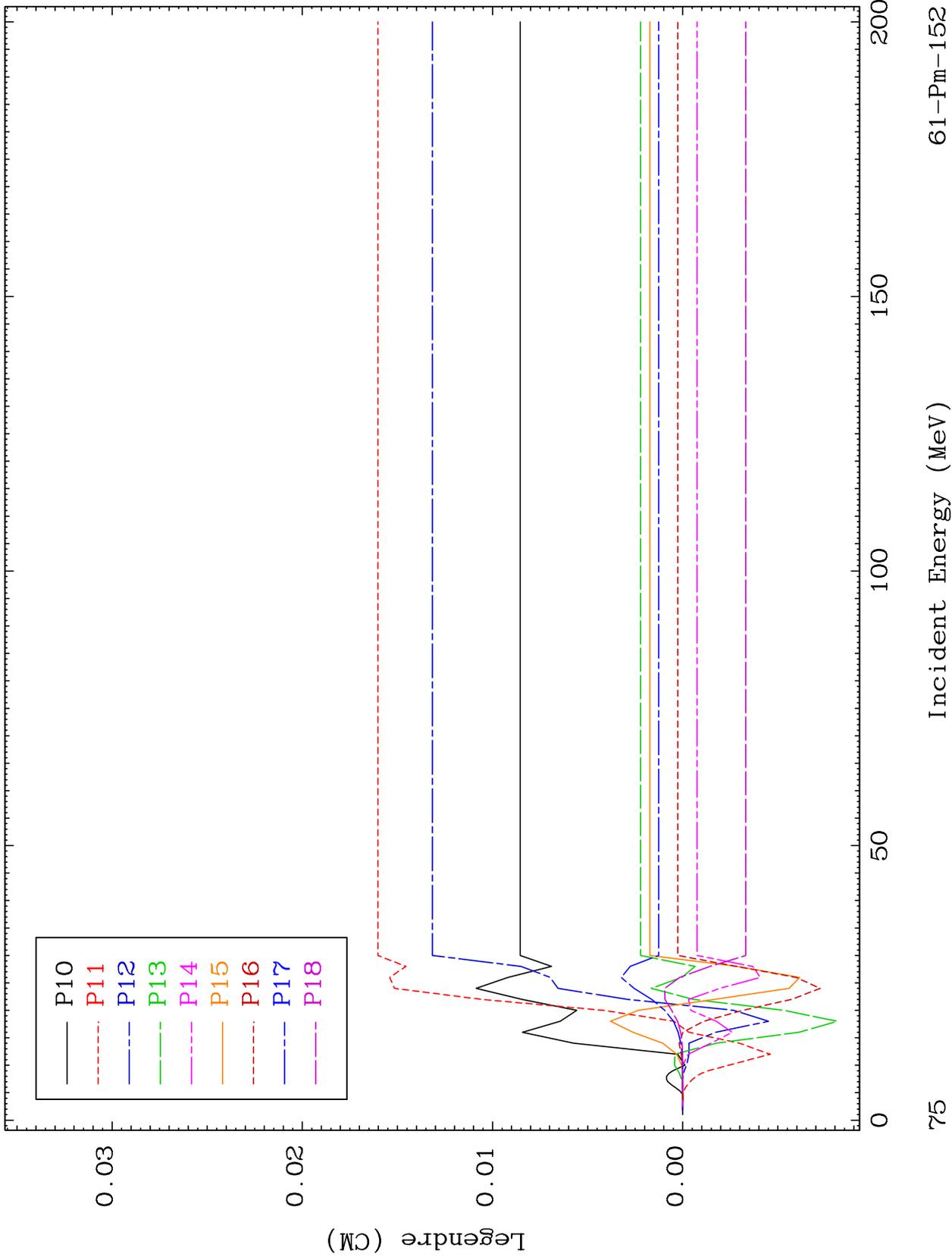




MAT 6164

672.3 keV (n,n') Level
Legendre Coefficients

61-Pm-152



61-Pm-152

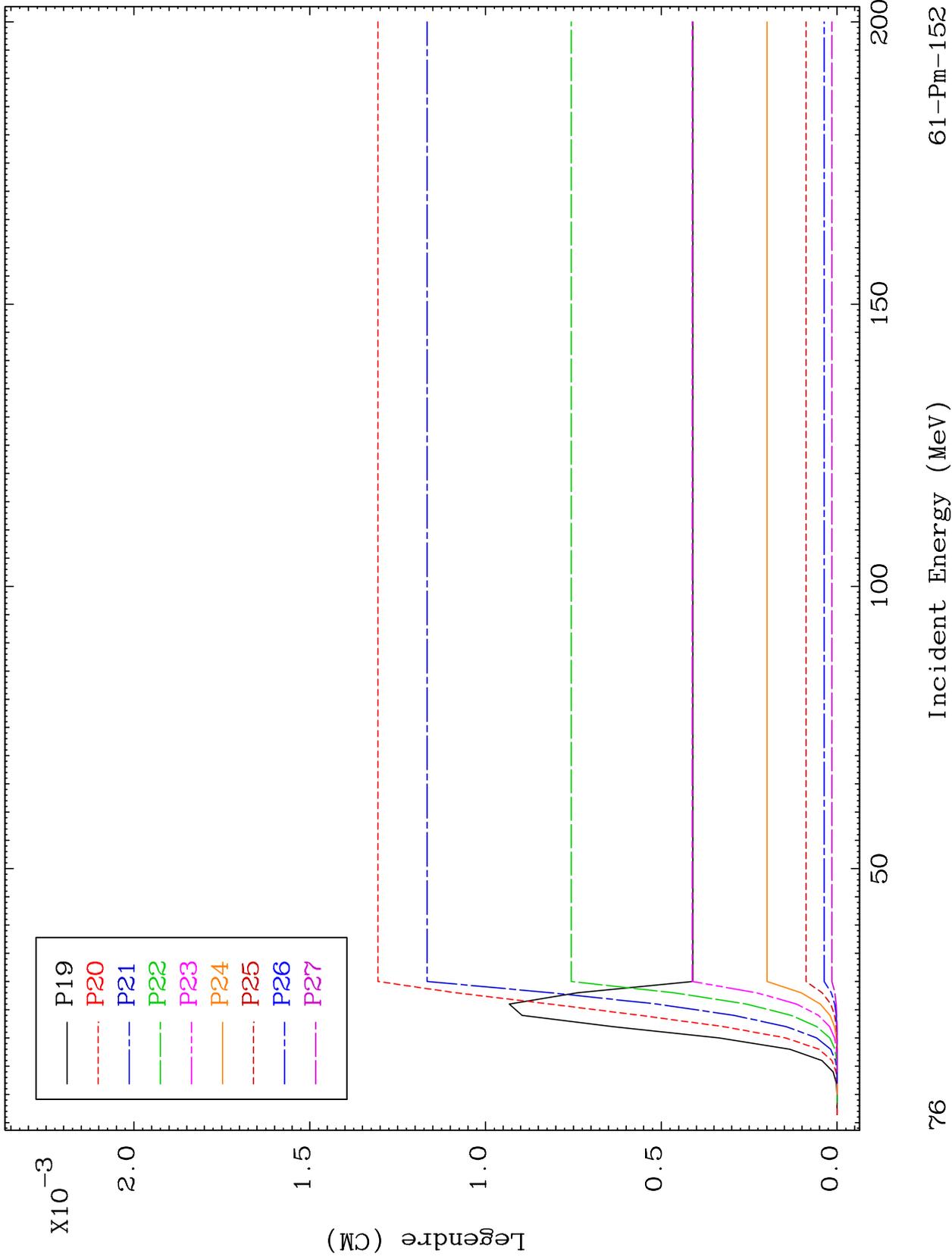
Incident Energy (MeV)

75

MAT 6164

672.3 keV (n,n') Level
Legendre Coefficients

61-Pm-152

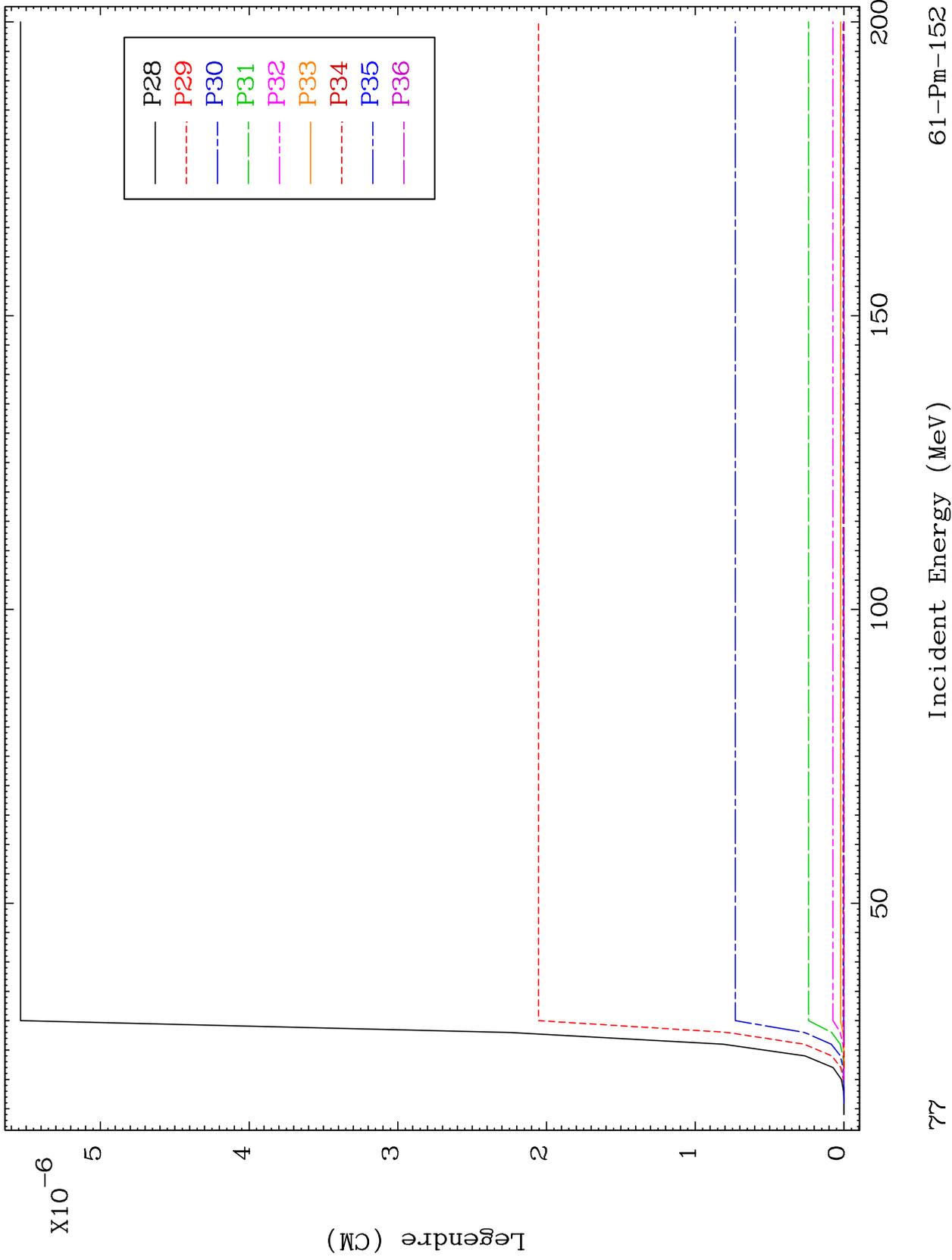


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MAT 6164

672.3 keV (n,n') Level
Legendre Coefficients

61-Pm-152

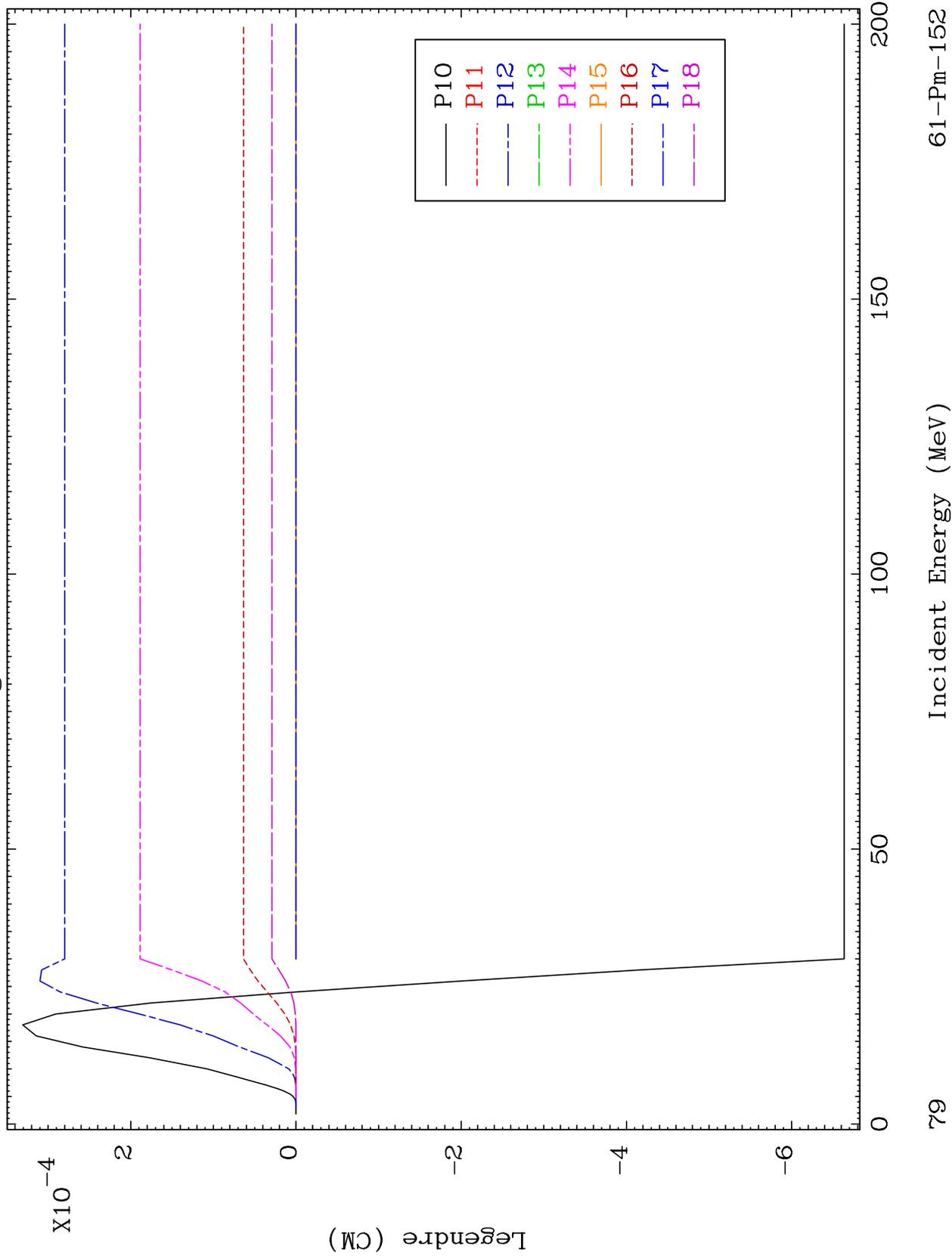


77

MAT 6164

673.0 keV (n,n') Level
Legendre Coefficients

61-Pm-152



79

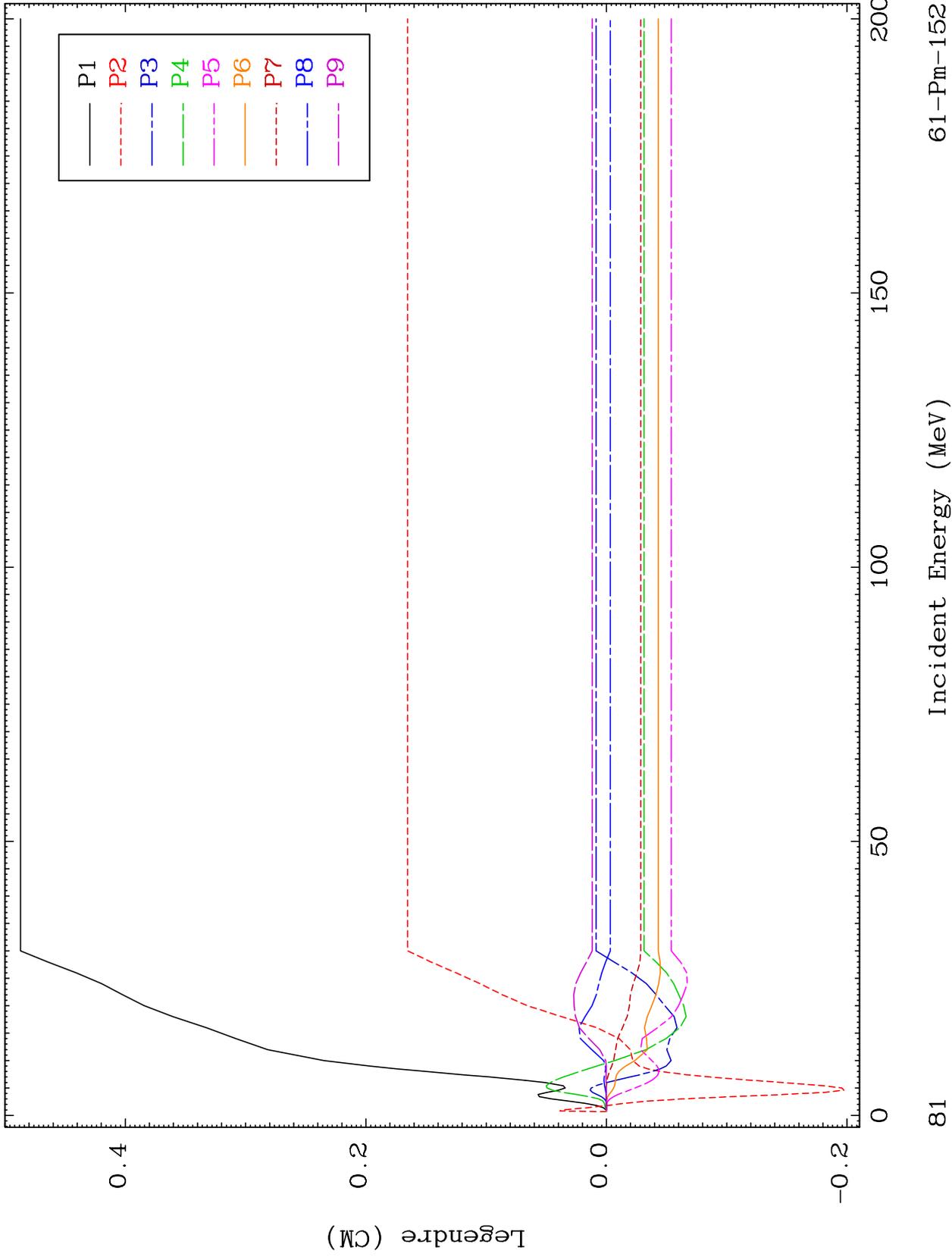
Incident Energy (MeV)

61-Pm-152

MAT 6164

674.4 keV (n,n') Level
Legendre Coefficients

61-Pm-152



81

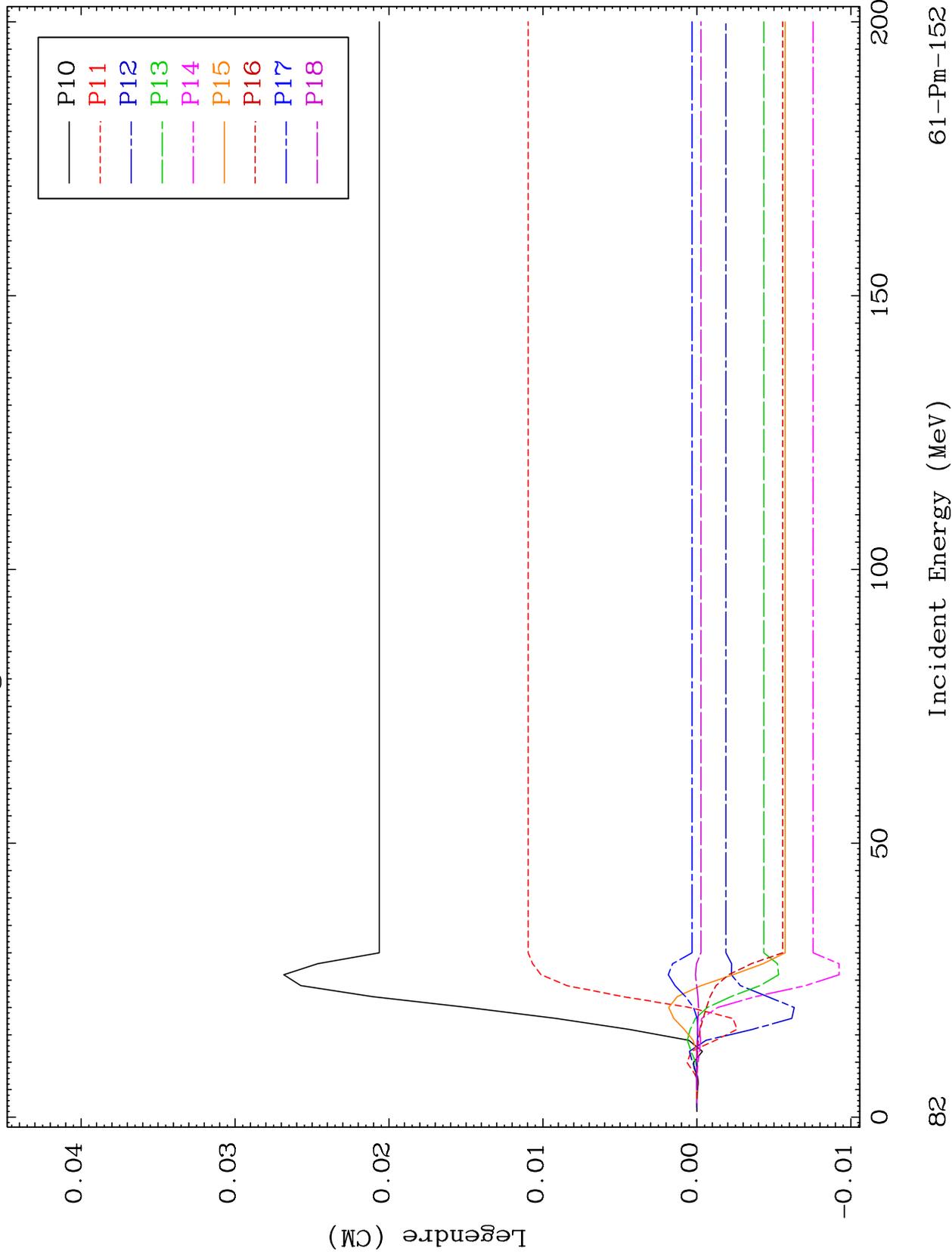
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MAT 6164

674.4 keV (n,n') Level
Legendre Coefficients

61-Pm-152



61-Pm-152

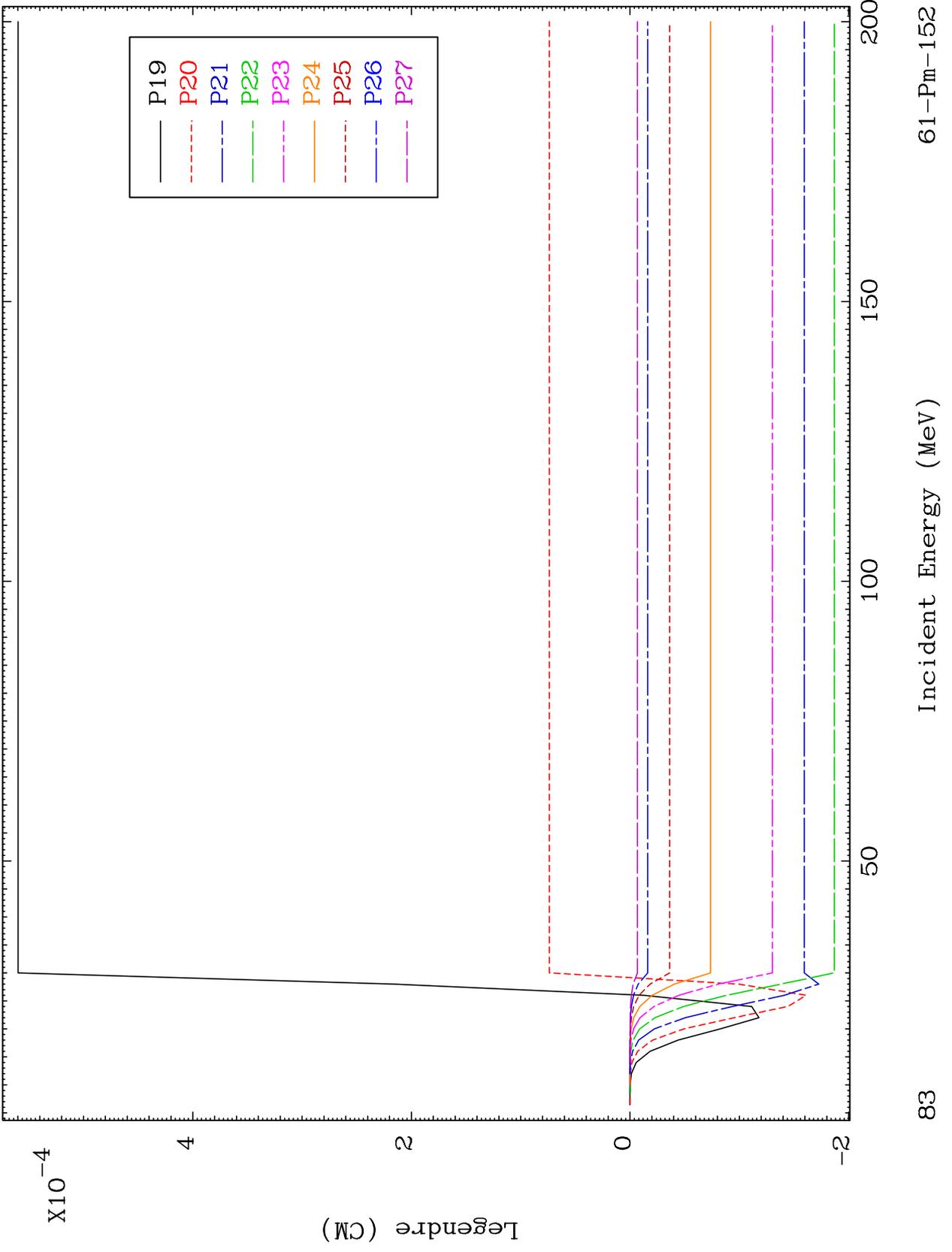
Incident Energy (MeV)

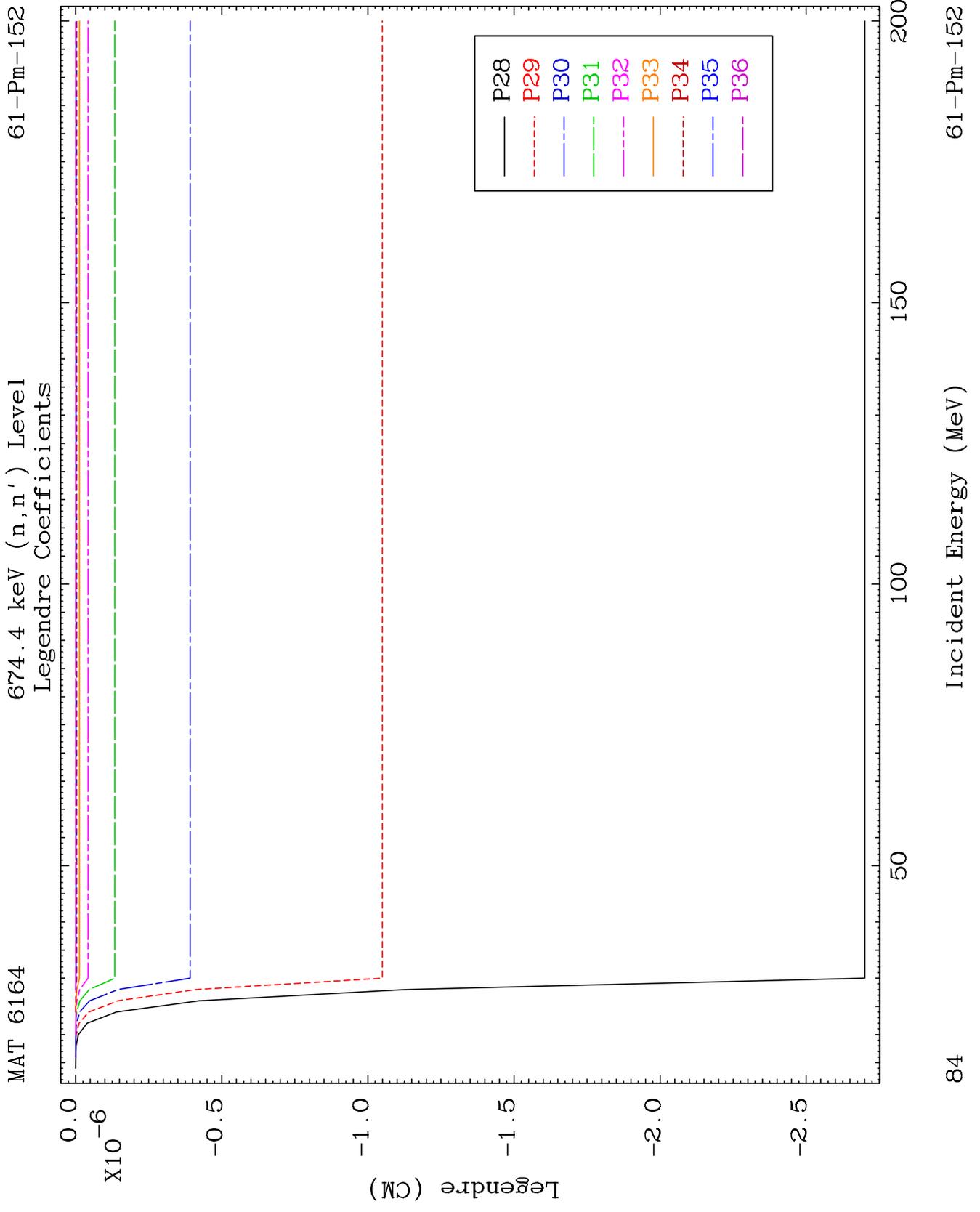
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MAT 6164

674.4 keV (n,n') Level
Legendre Coefficients

61-Pm-152

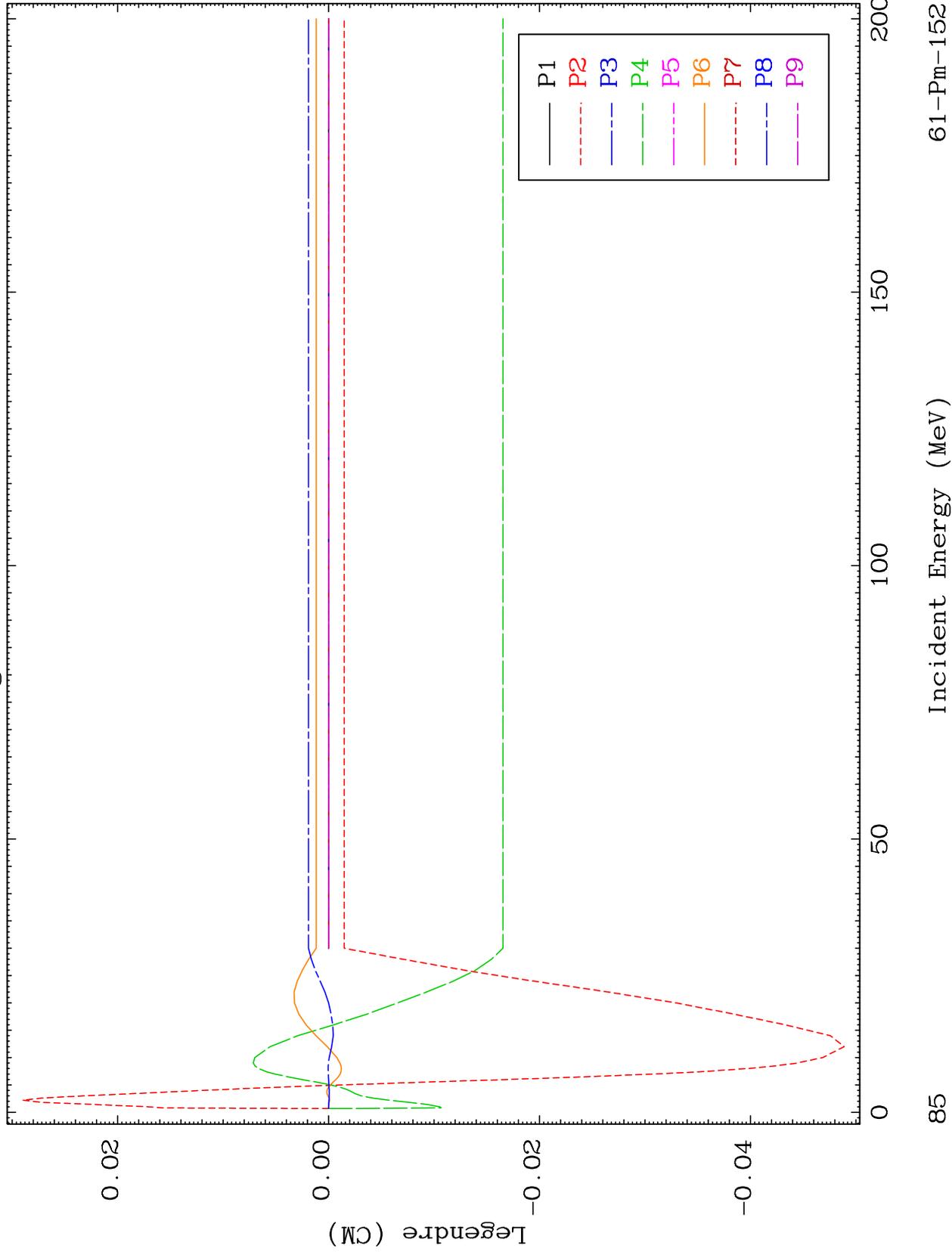




MAT 6164

676.2 keV (n,n') Level
Legendre Coefficients

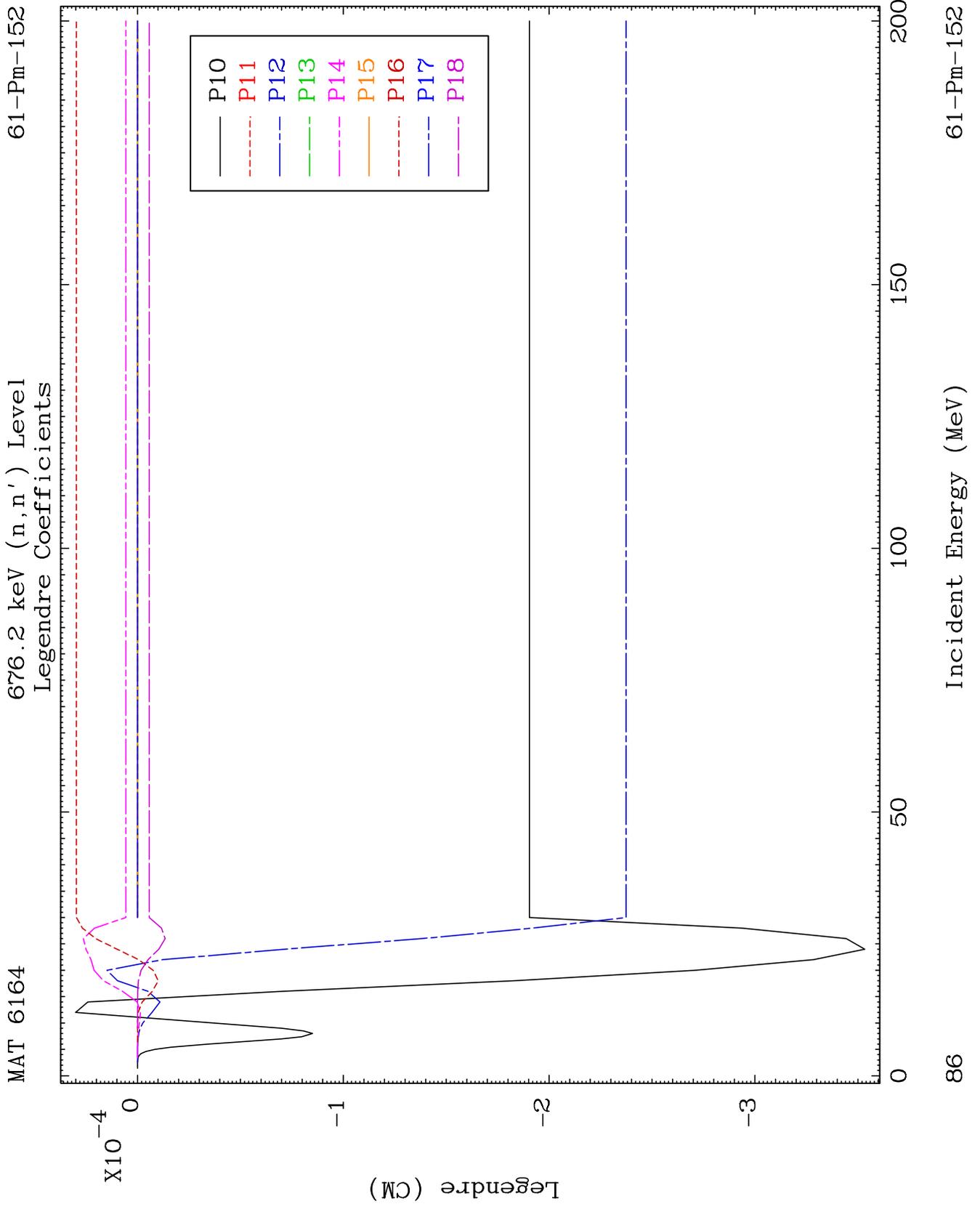
61-Pm-152

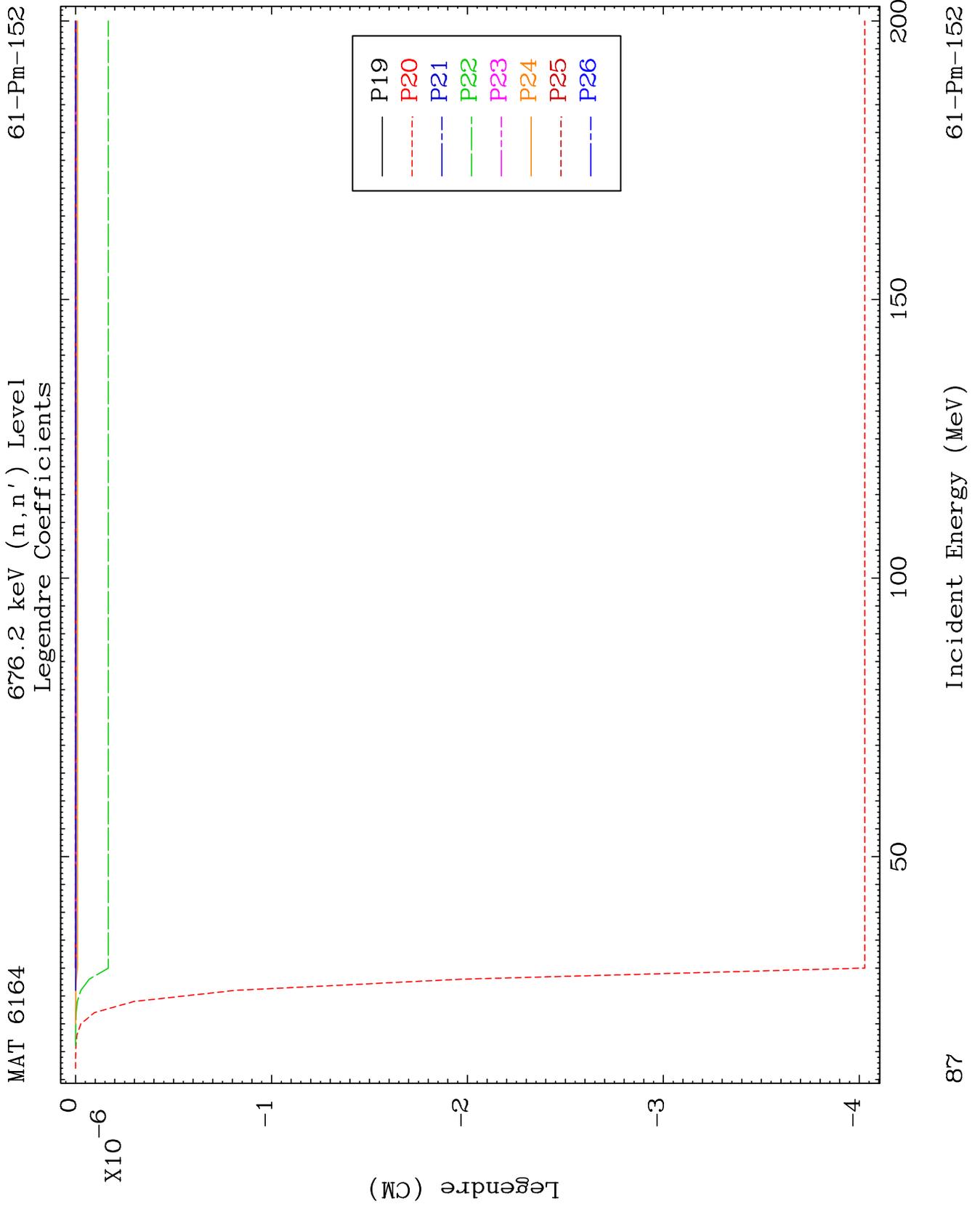


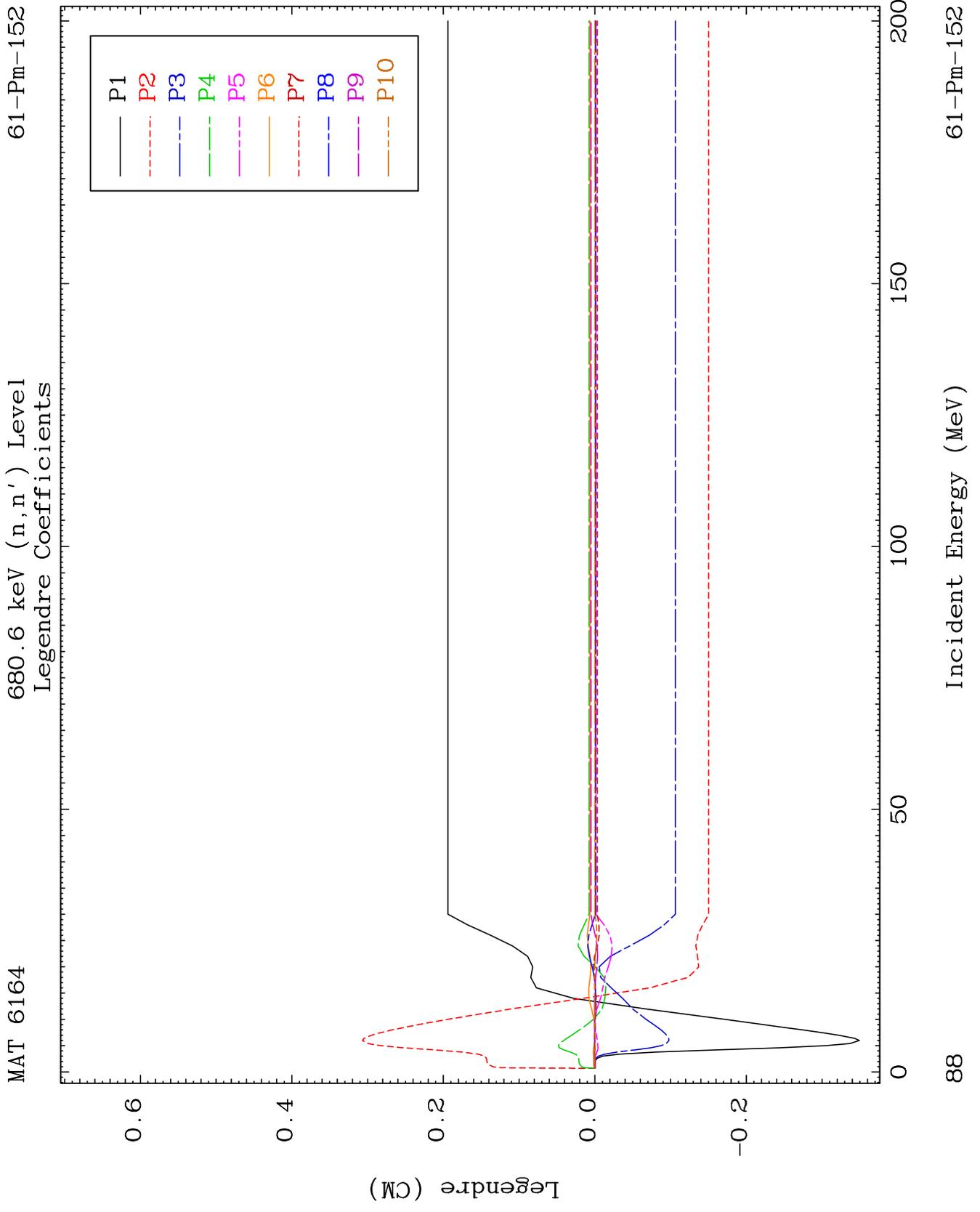
85

Incident Energy (MeV)

61-Pm-152



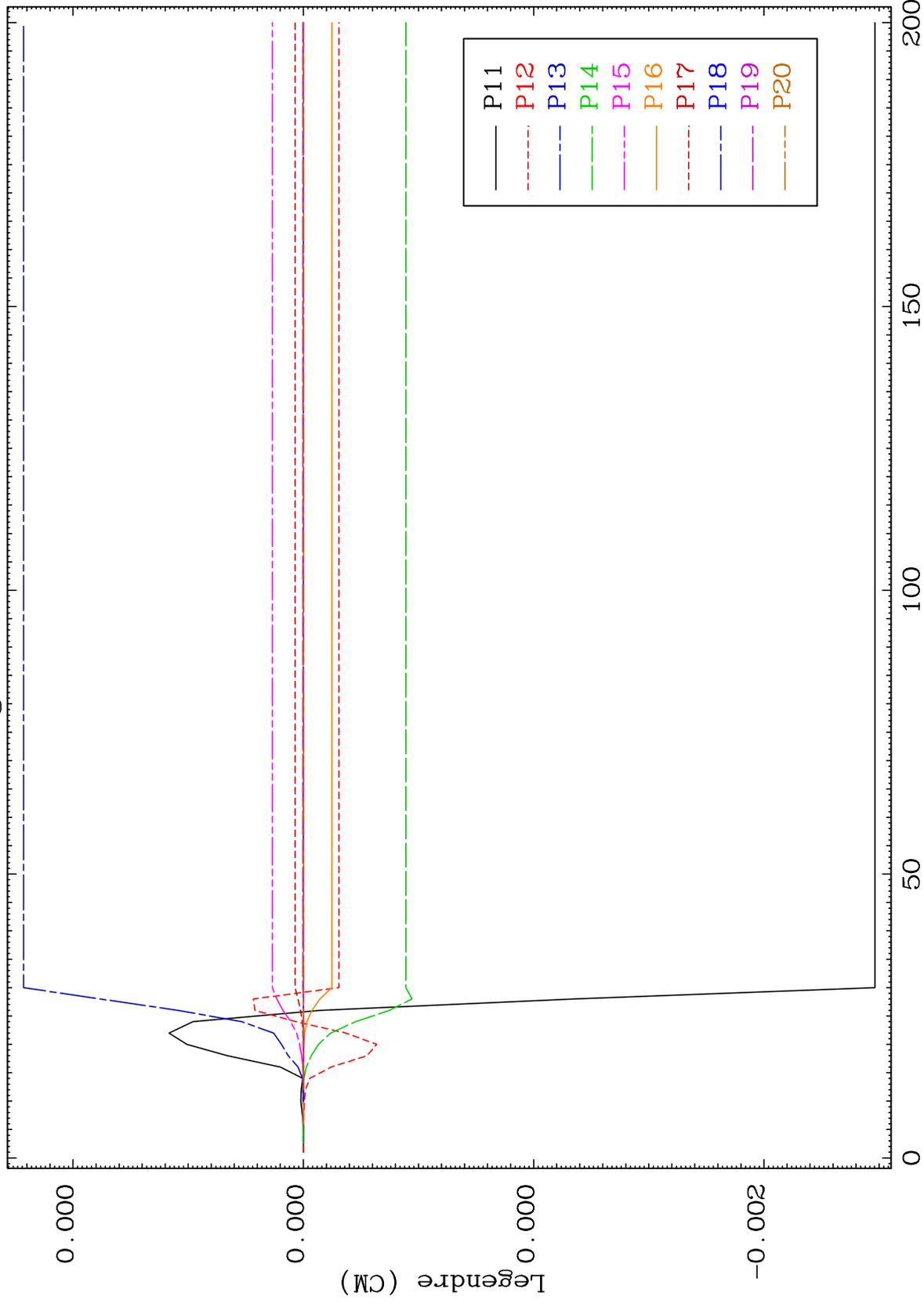




MAT 6164

680.6 keV (n,n') Level
Legendre Coefficients

61-Pm-152



89

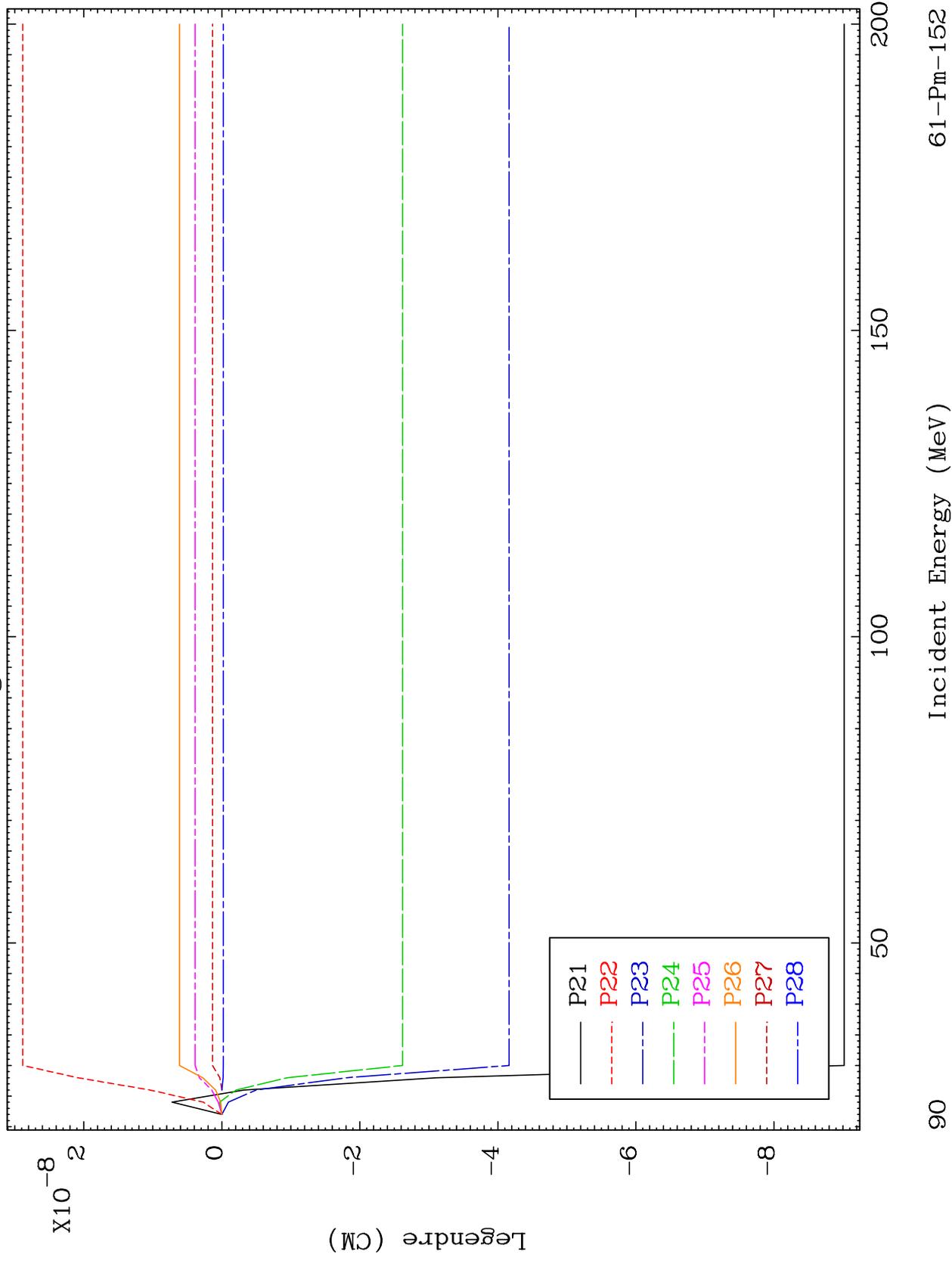
Incident Energy (MeV)

61-Pm-152

MAT 6164

680.6 keV (n,n') Level
Legendre Coefficients

61-Pm-152



90

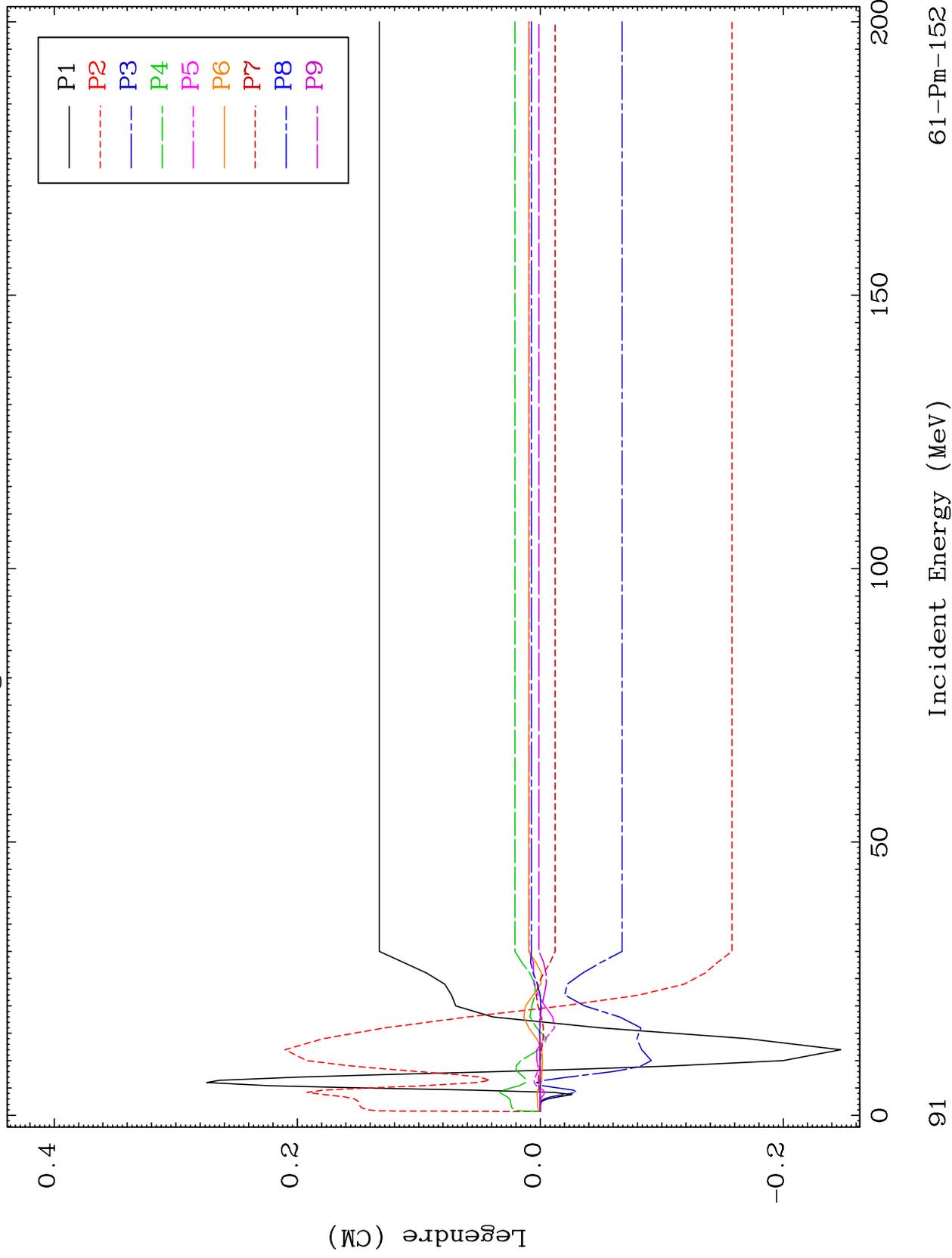
Incident Energy (MeV)

61-Pm-152

MAT 6164

685.0 keV (n,n') Level
Legendre Coefficients

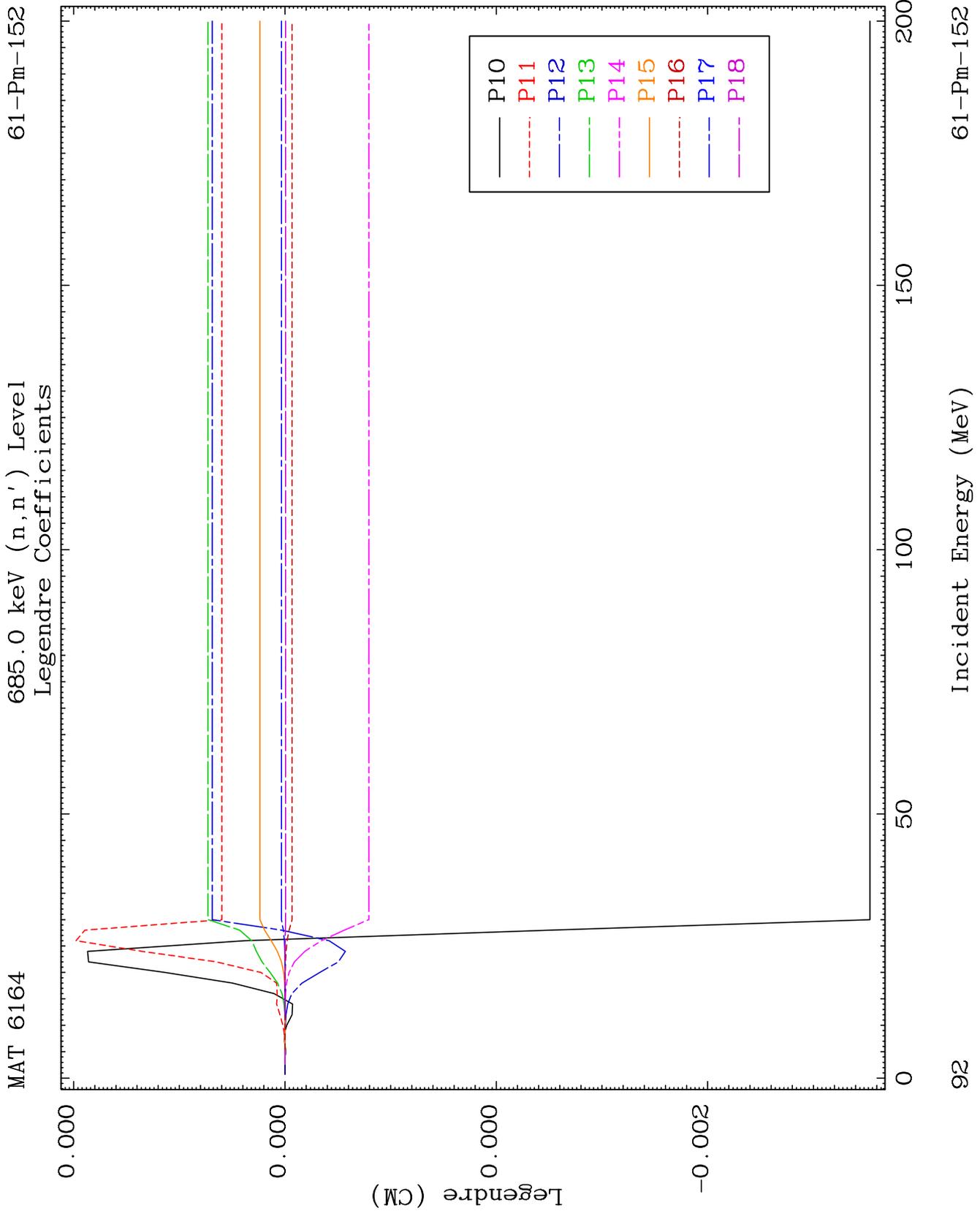
61-Pm-152



61-Pm-152

Incident Energy (MeV)

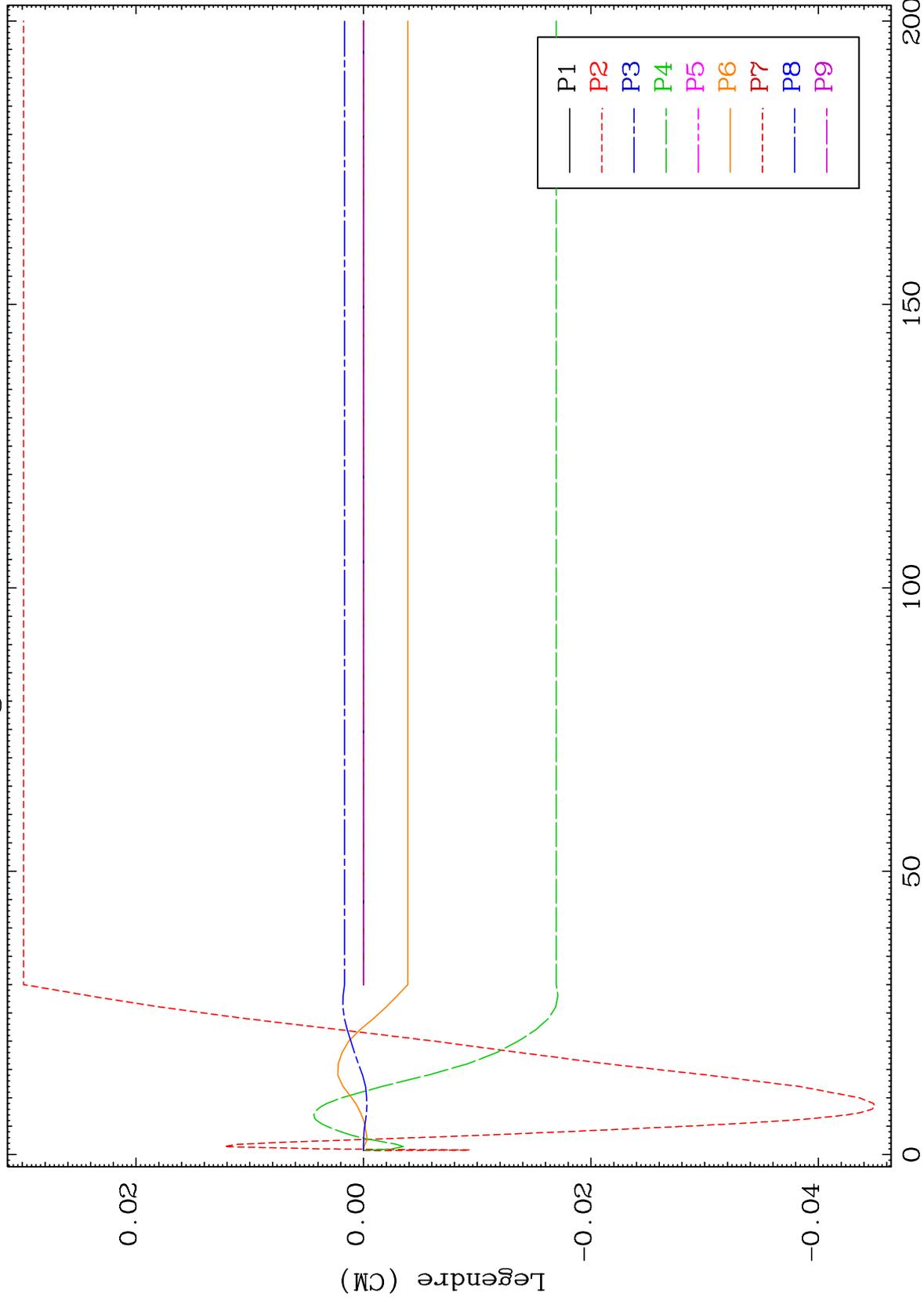
91



MAT 6164

688.3 keV (n,n') Level
Legendre Coefficients

61-Pm-152



94

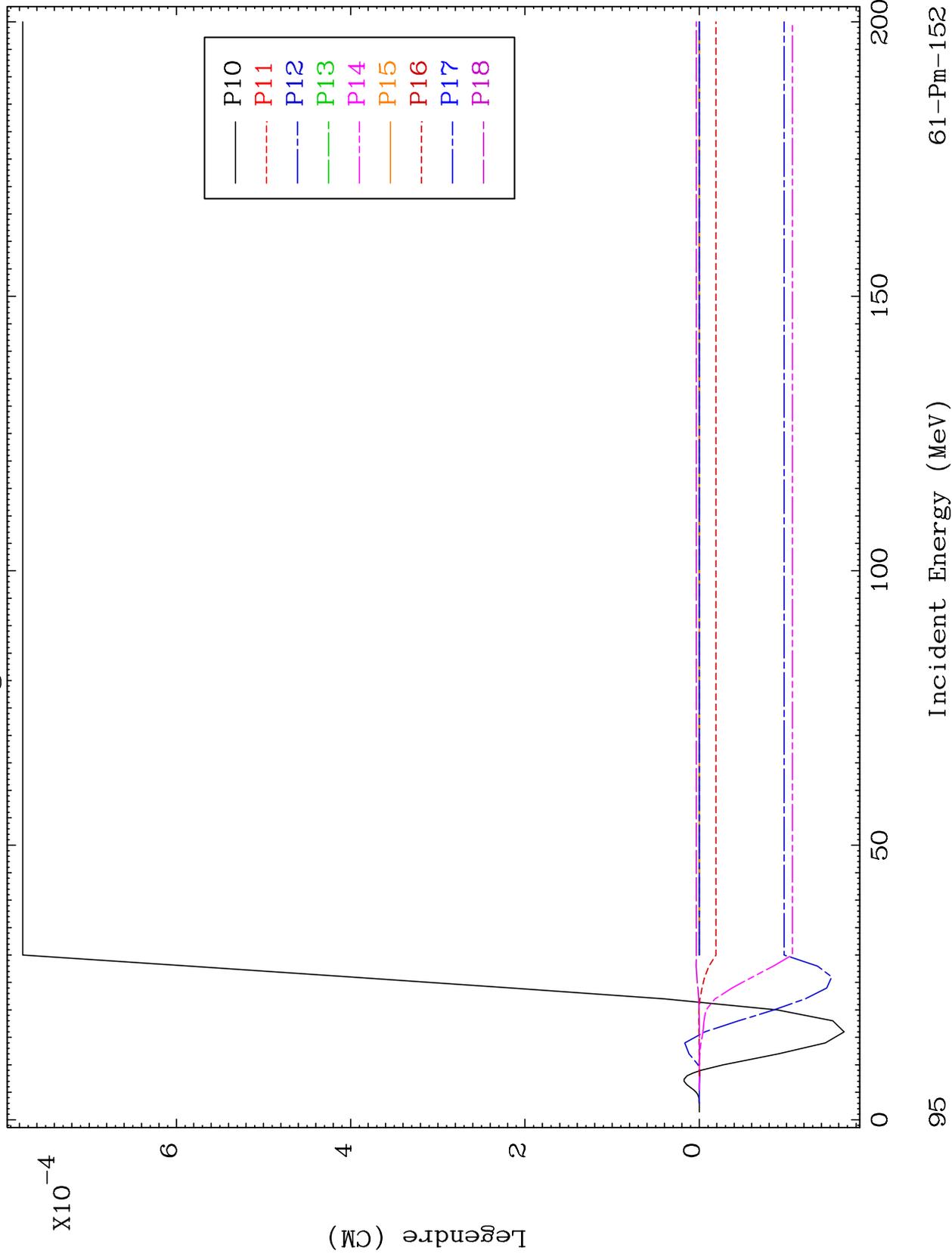
Incident Energy (MeV)

61-Pm-152

MAT 6164

688.3 keV (n,n') Level
Legendre Coefficients

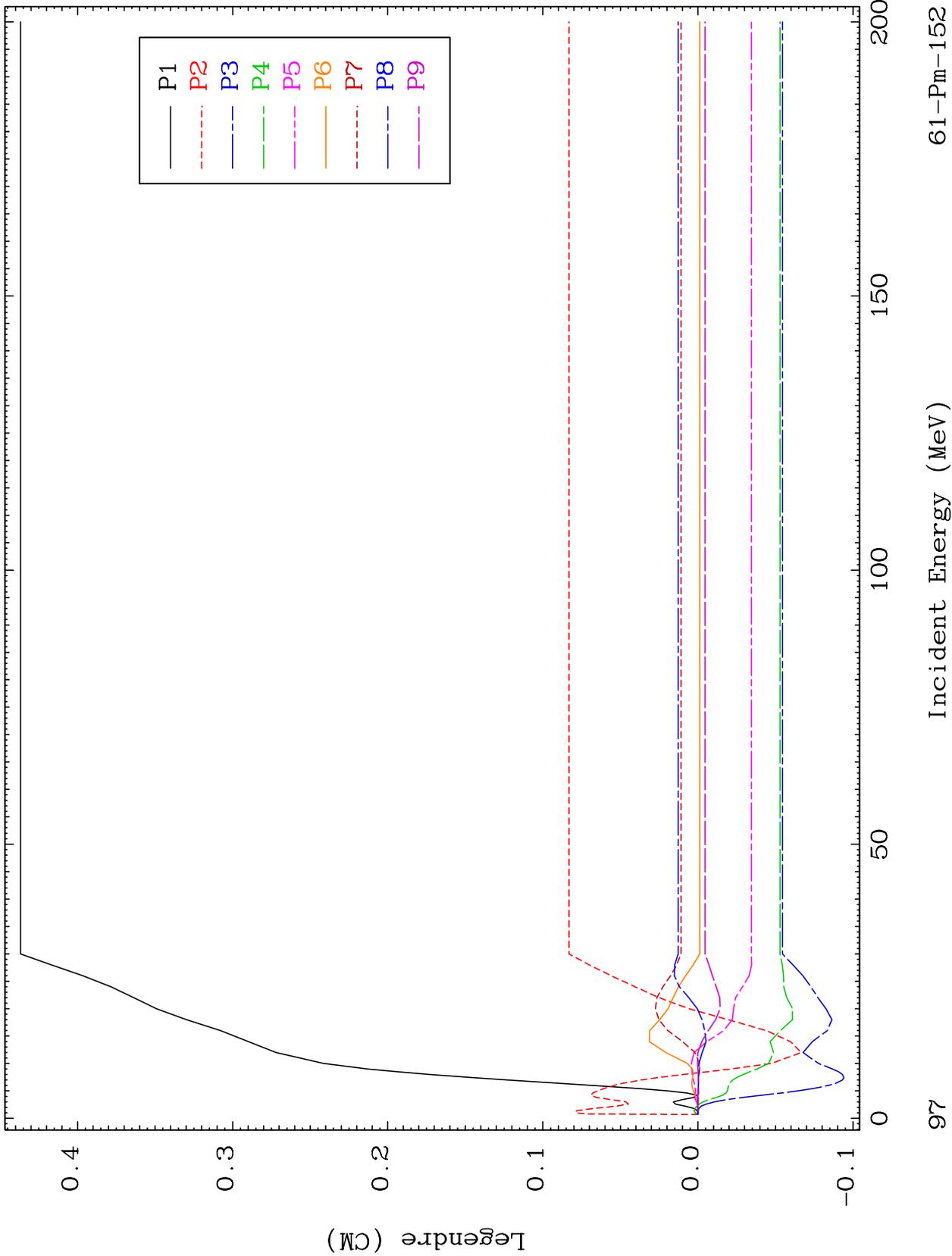
61-Pm-152



MAT 6164

691.5 keV (n,n') Level
Legendre Coefficients

61-Pm-152



61-Pm-152

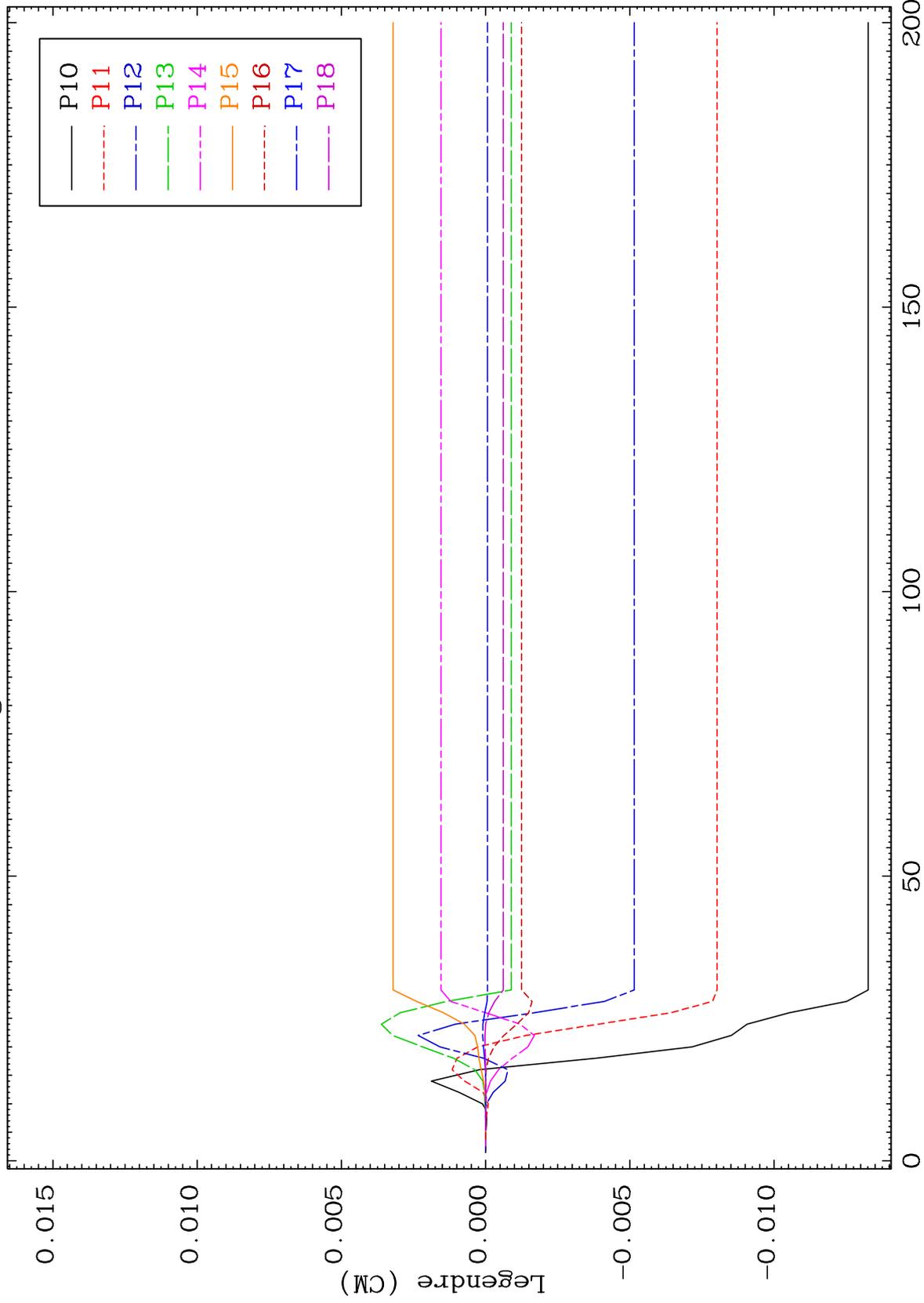
Incident Energy (MeV)

97

MAT 6164

691.5 keV (n,n') Level
Legendre Coefficients

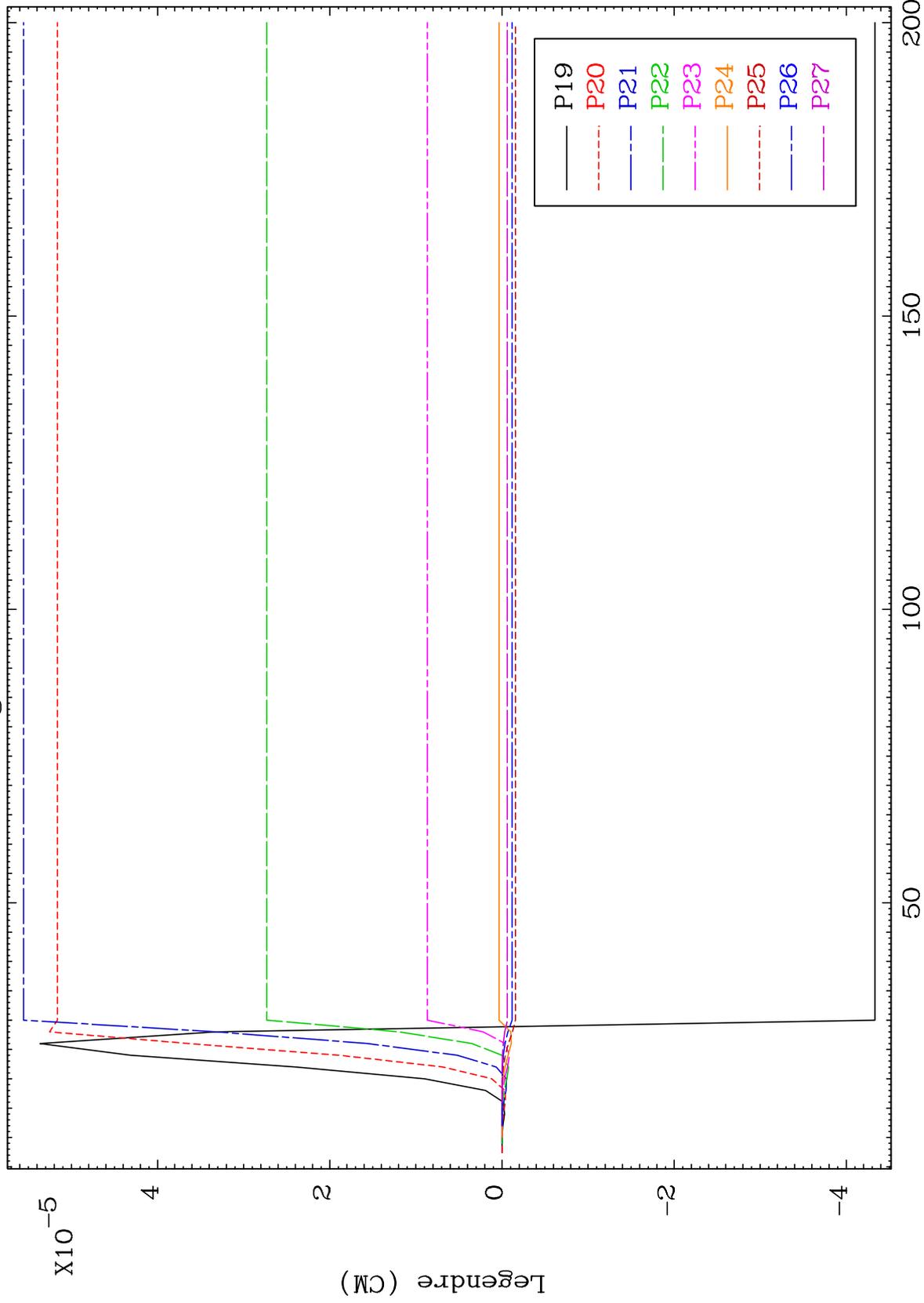
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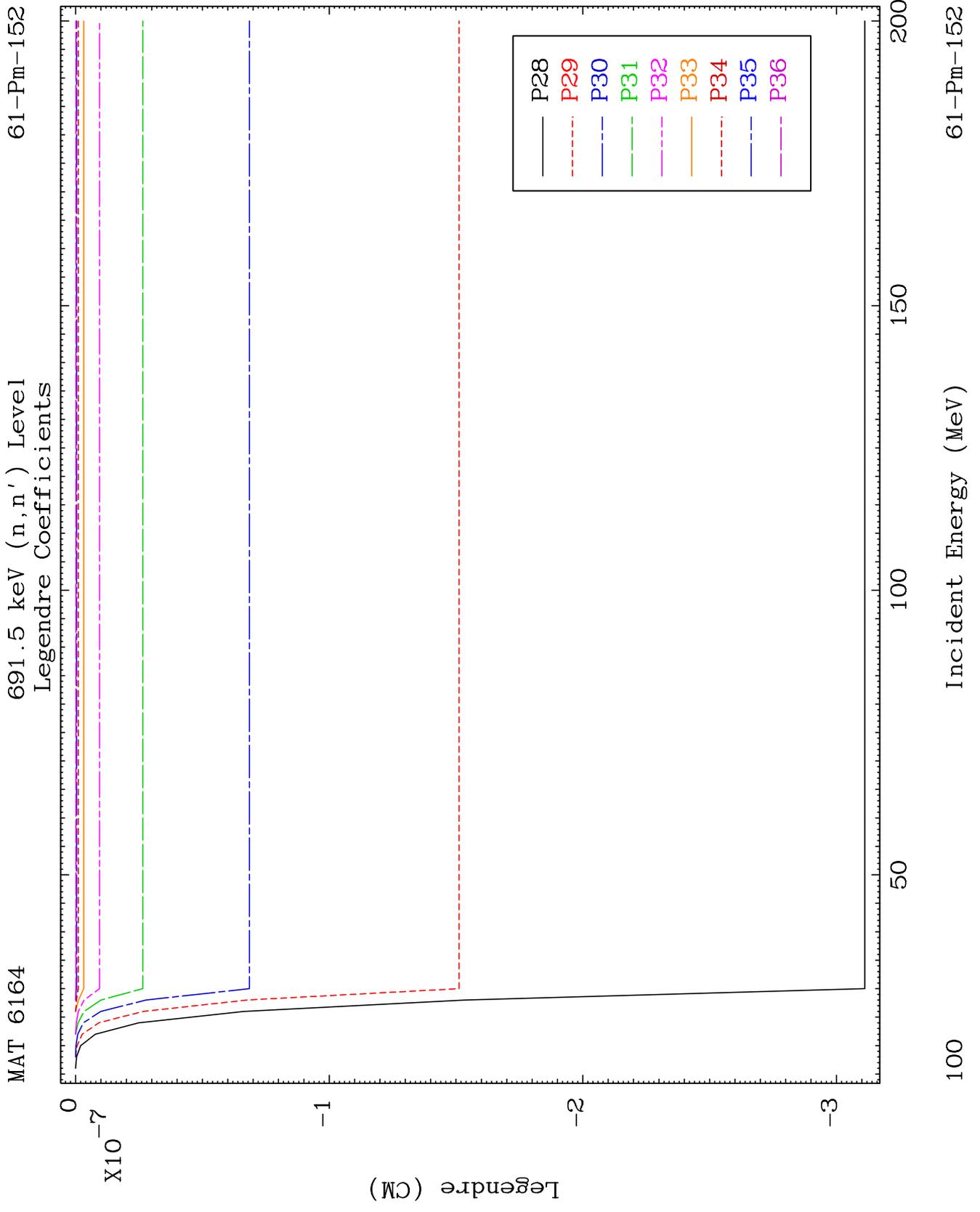


98

Incident Energy (MeV)

61-Pm-152

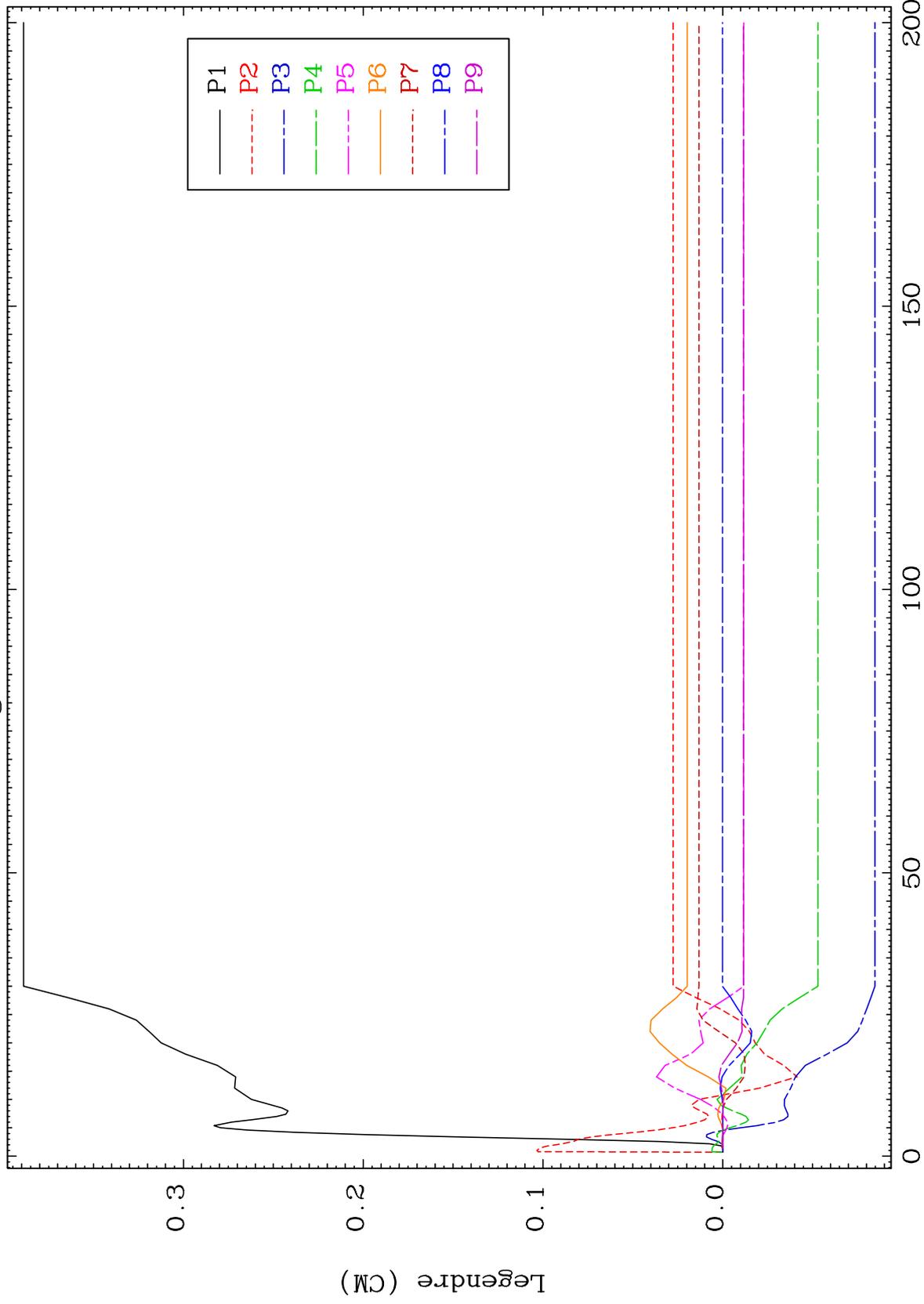




MAT 6164

695.3 keV (n,n') Level
Legendre Coefficients

61-Pm-152



101

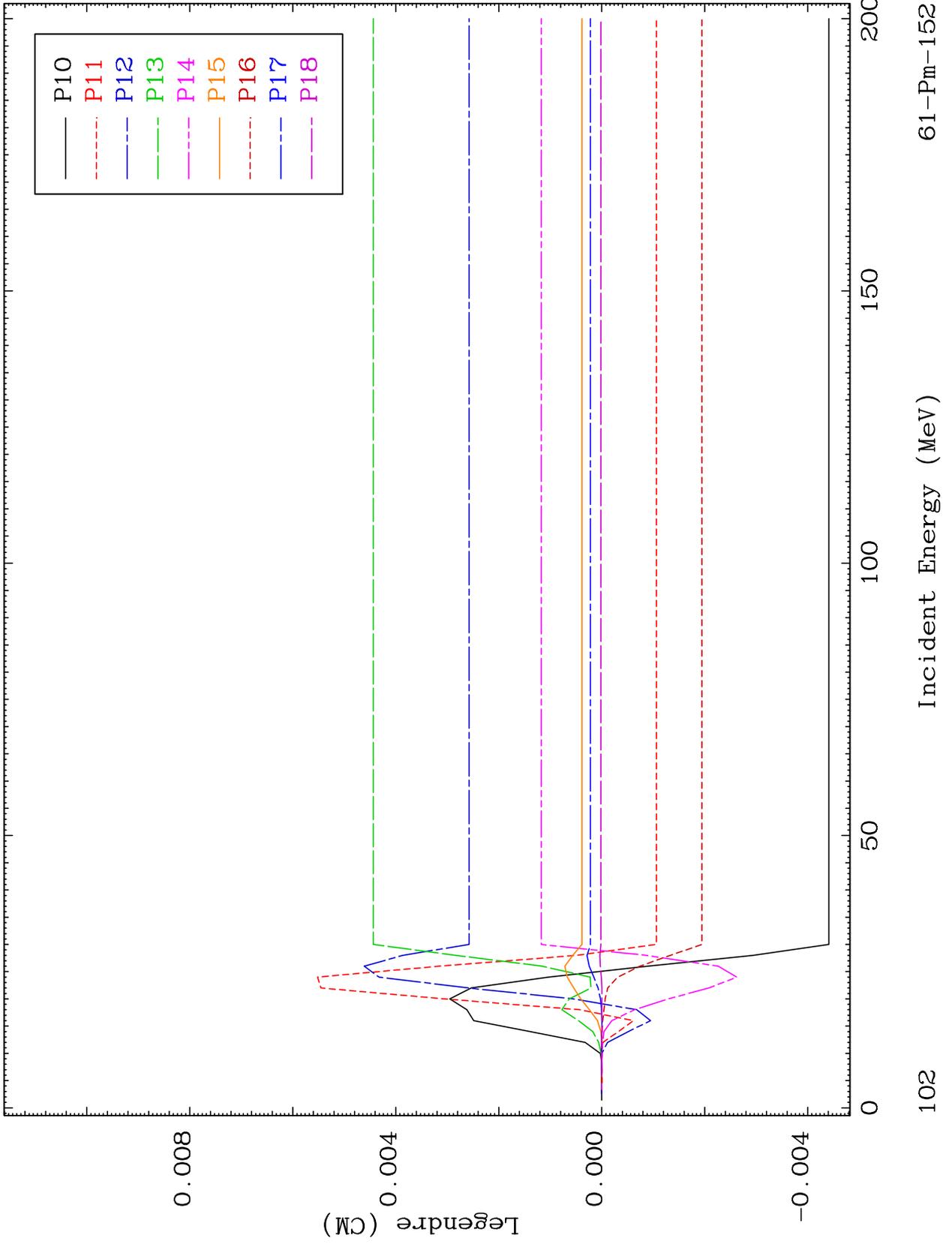
Incident Energy (MeV)

61-Pm-152

MAT 6164

695.3 keV (n,n') Level
Legendre Coefficients

61-Pm-152



61-Pm-152

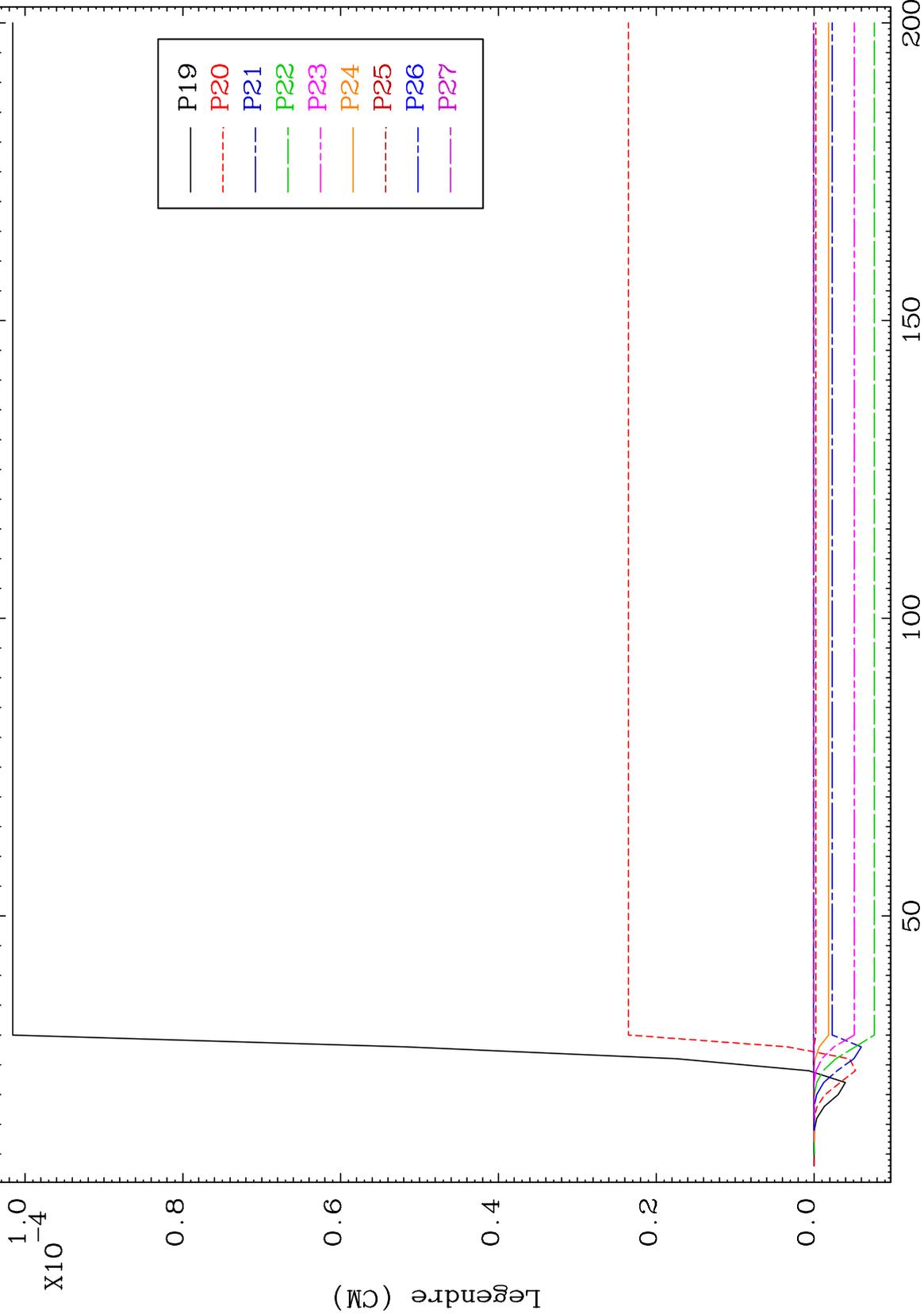
Incident Energy (MeV)

102

MAT 6164

695.3 keV (n,n') Level
Legendre Coefficients

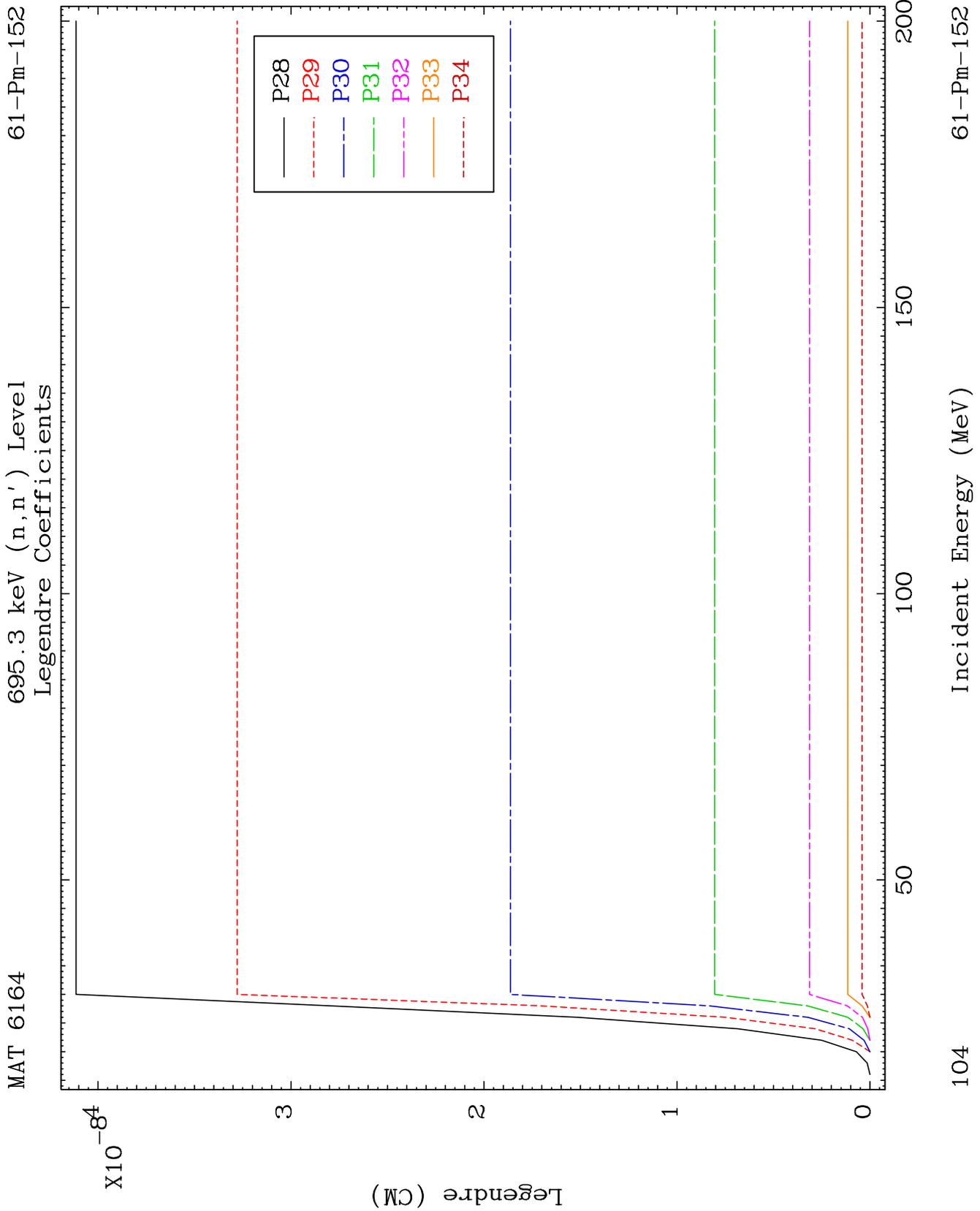
61-Pm-152



103

Incident Energy (MeV)

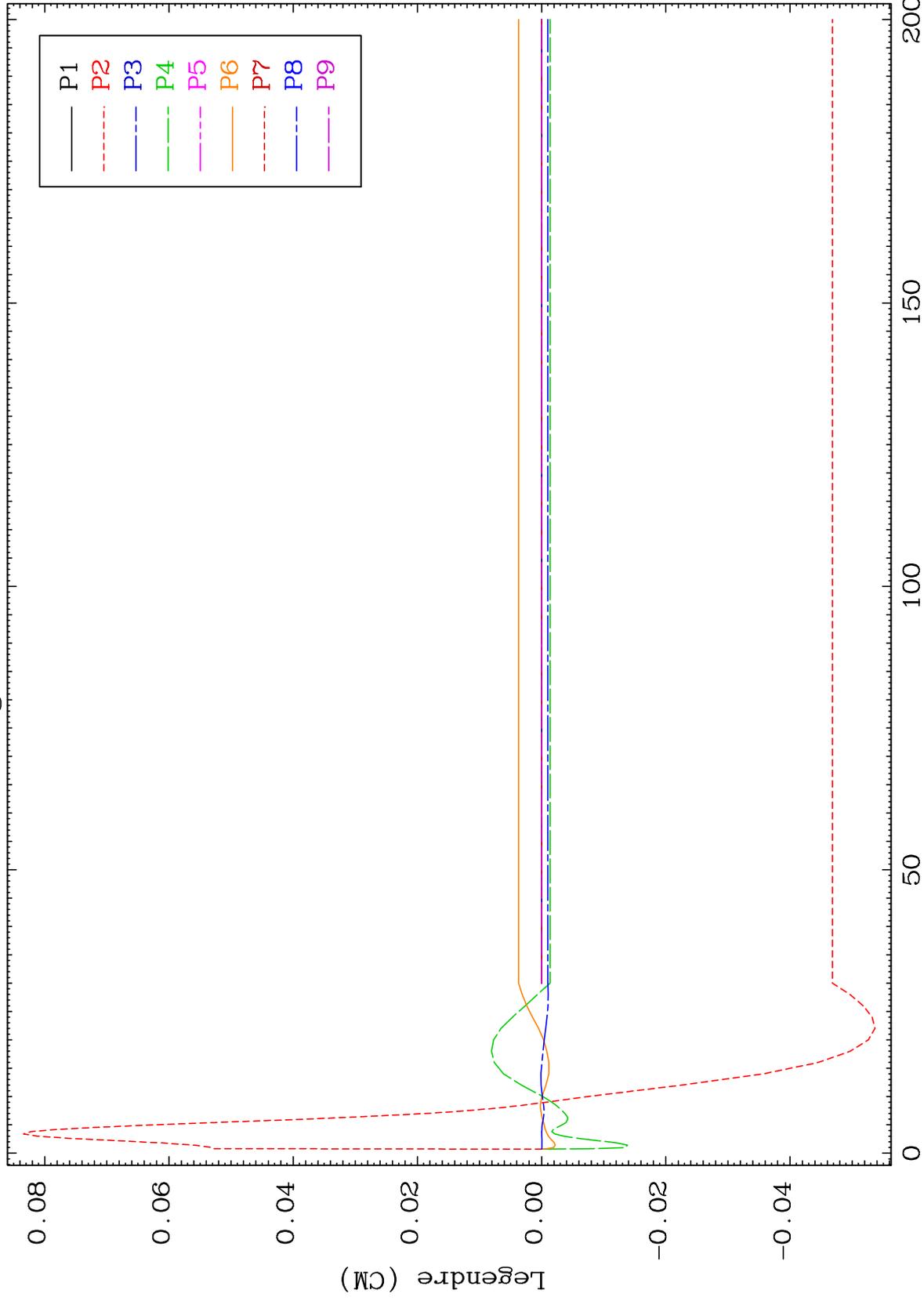
61-Pm-152



MAT 6164

697.2 keV (n,n') Level
Legendre Coefficients

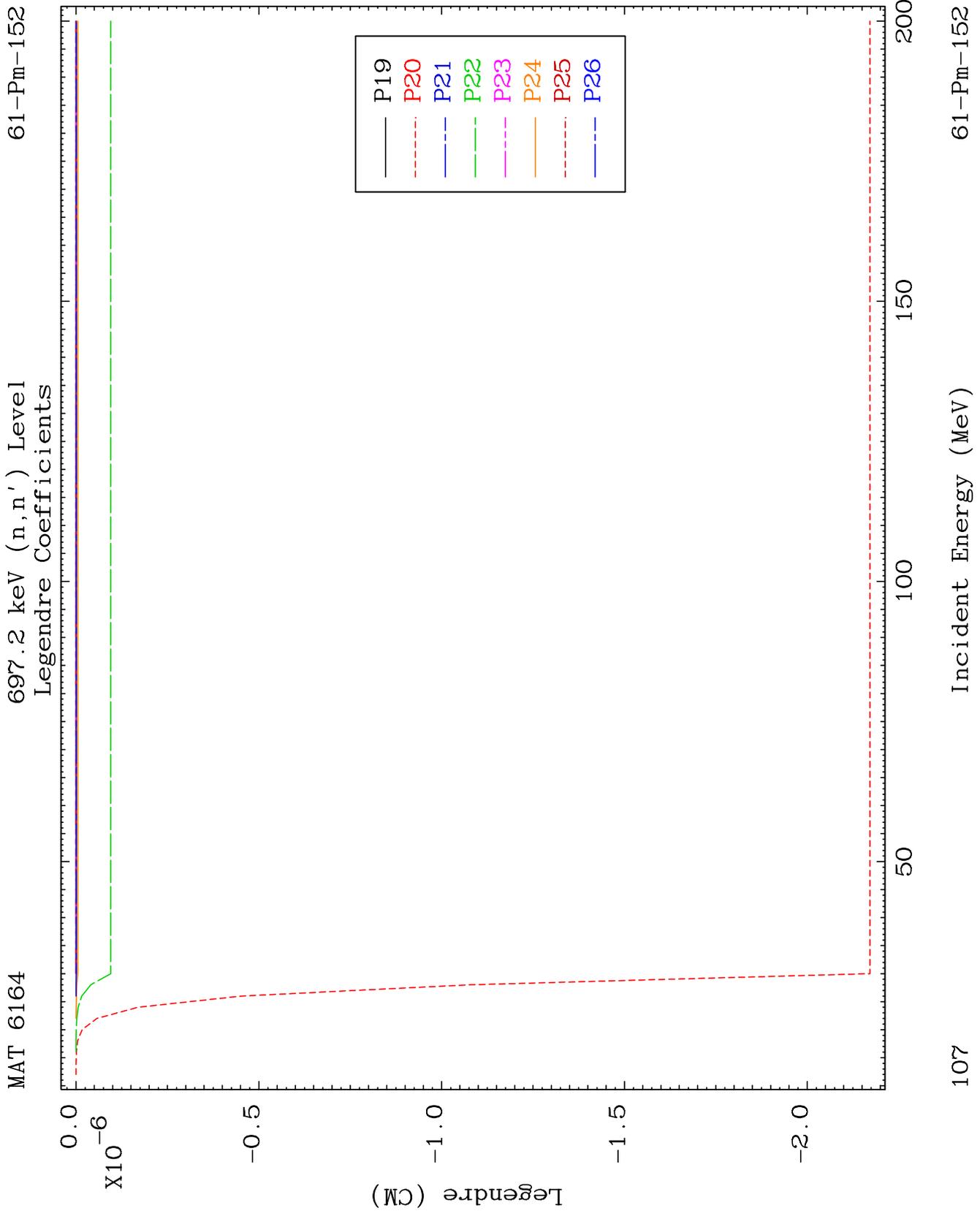
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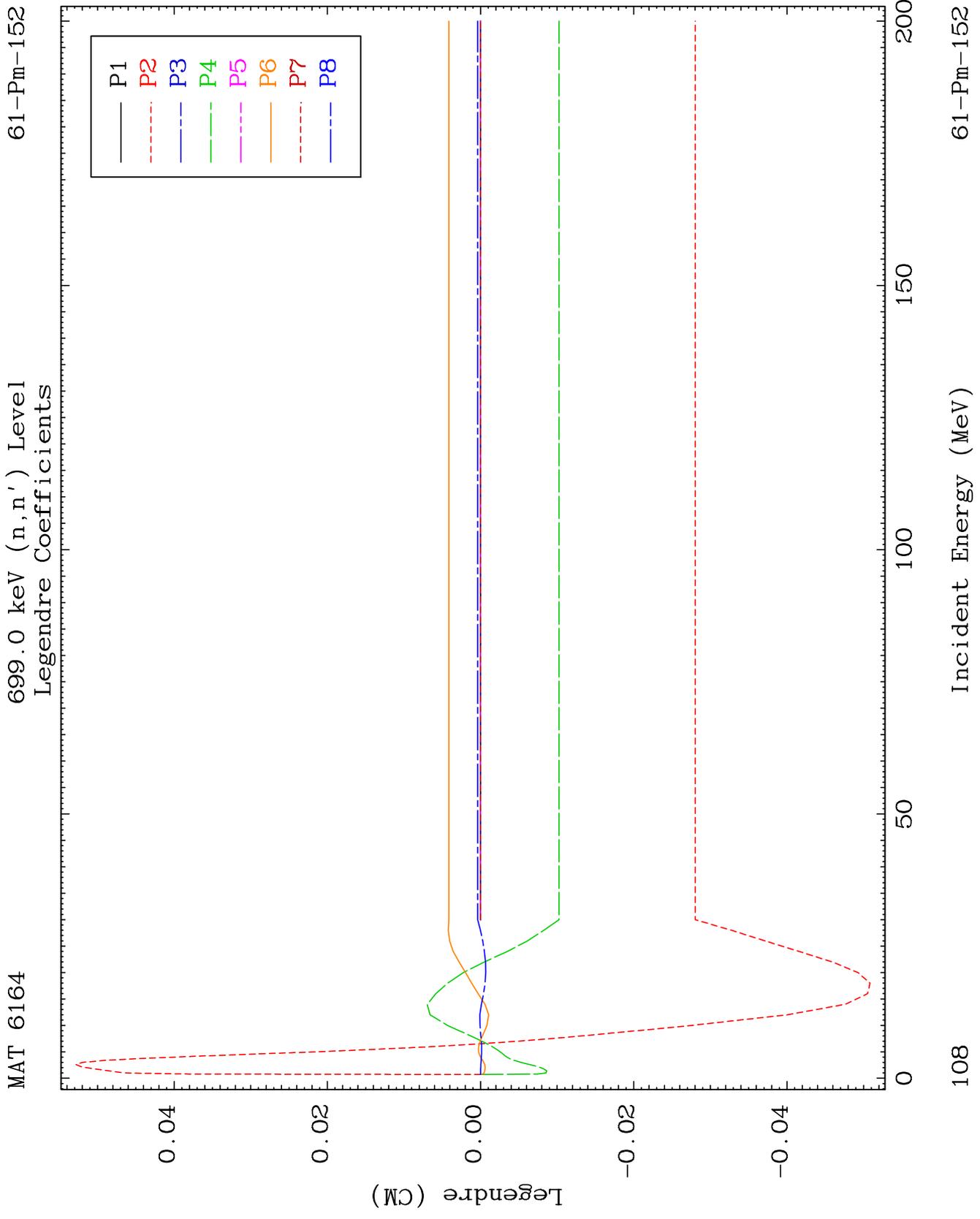


105

Incident Energy (MeV)

61-Pm-152

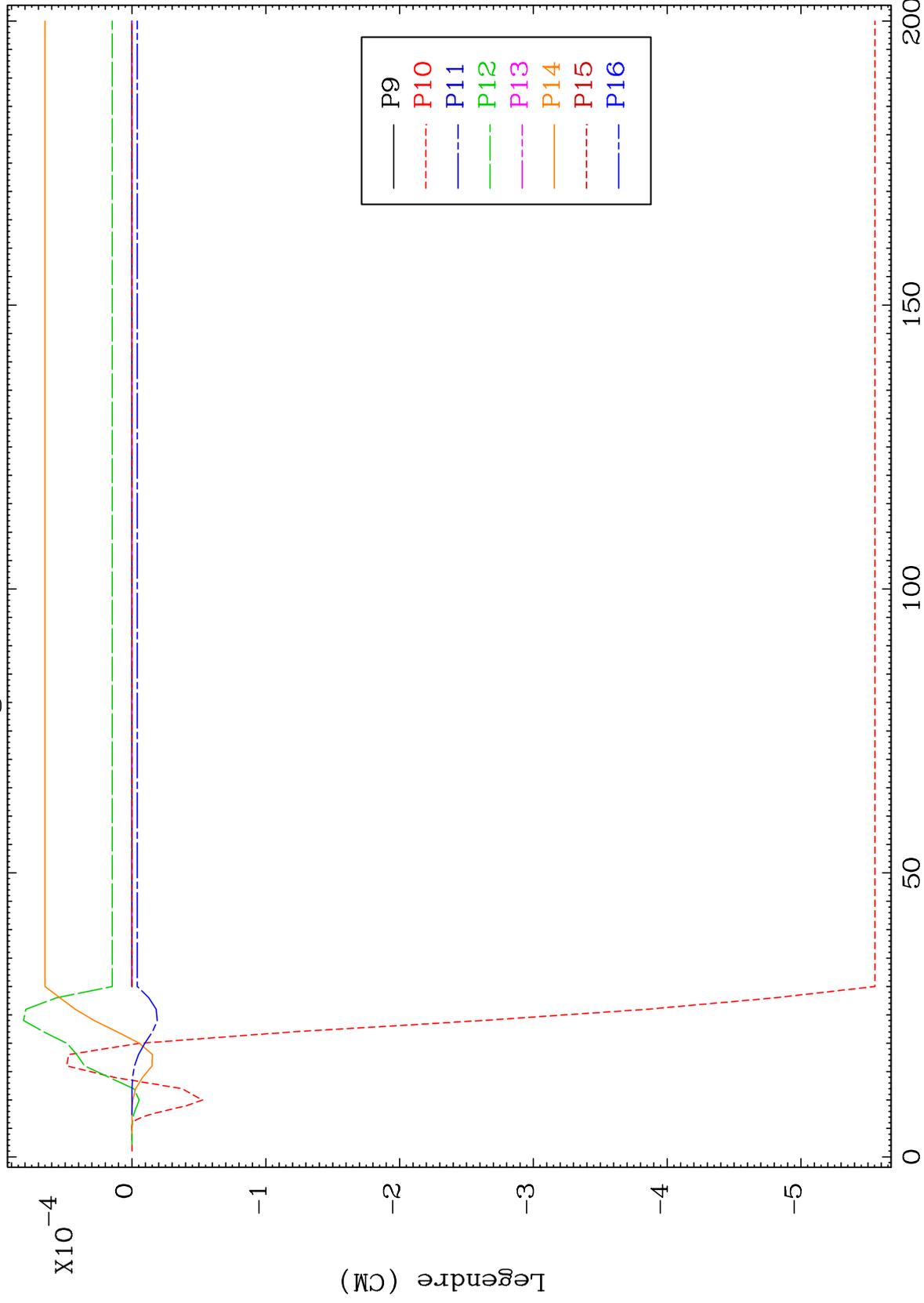




MAT 6164

699.0 keV (n,n') Level
Legendre Coefficients

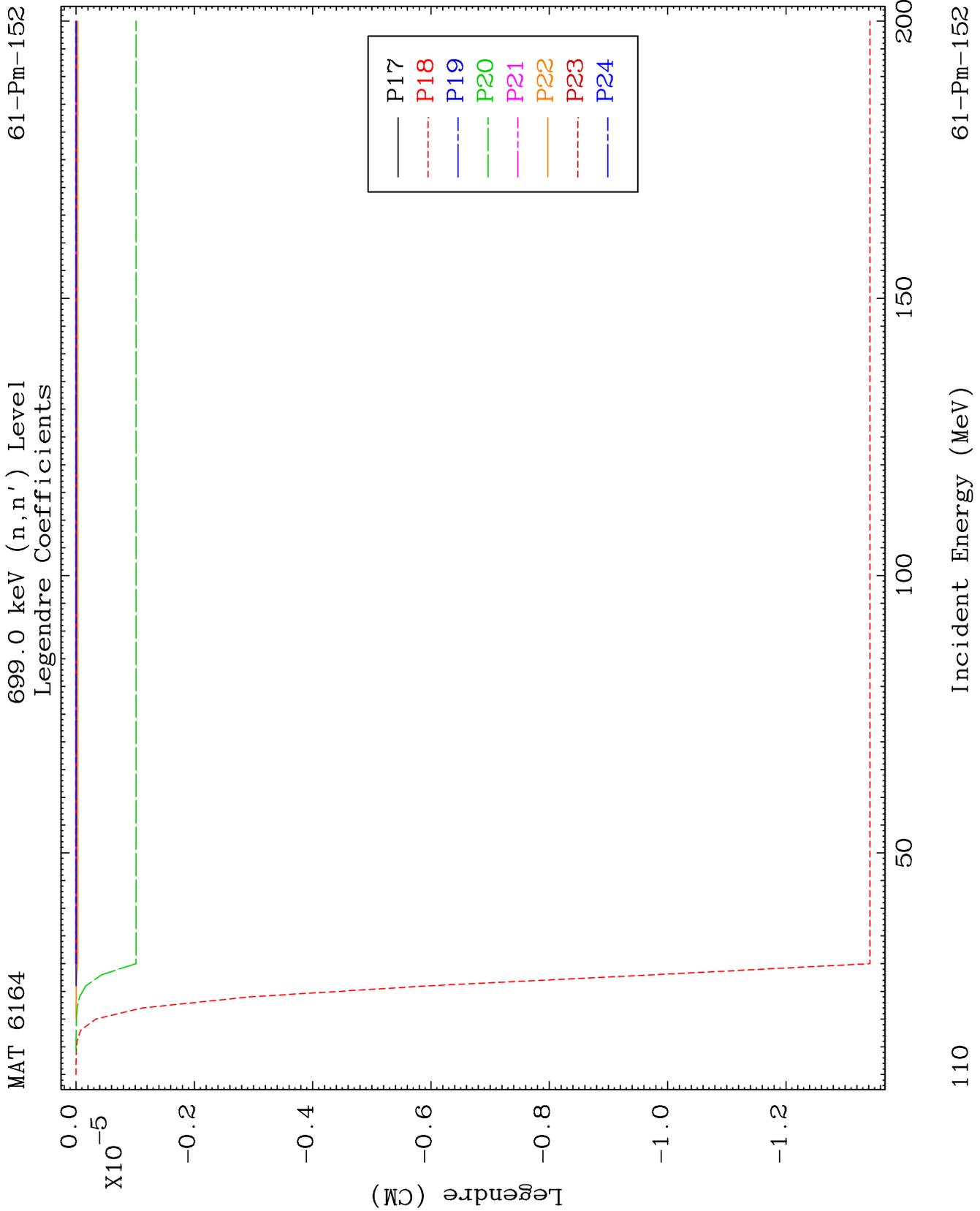
61-Pm-152



109

Incident Energy (MeV)

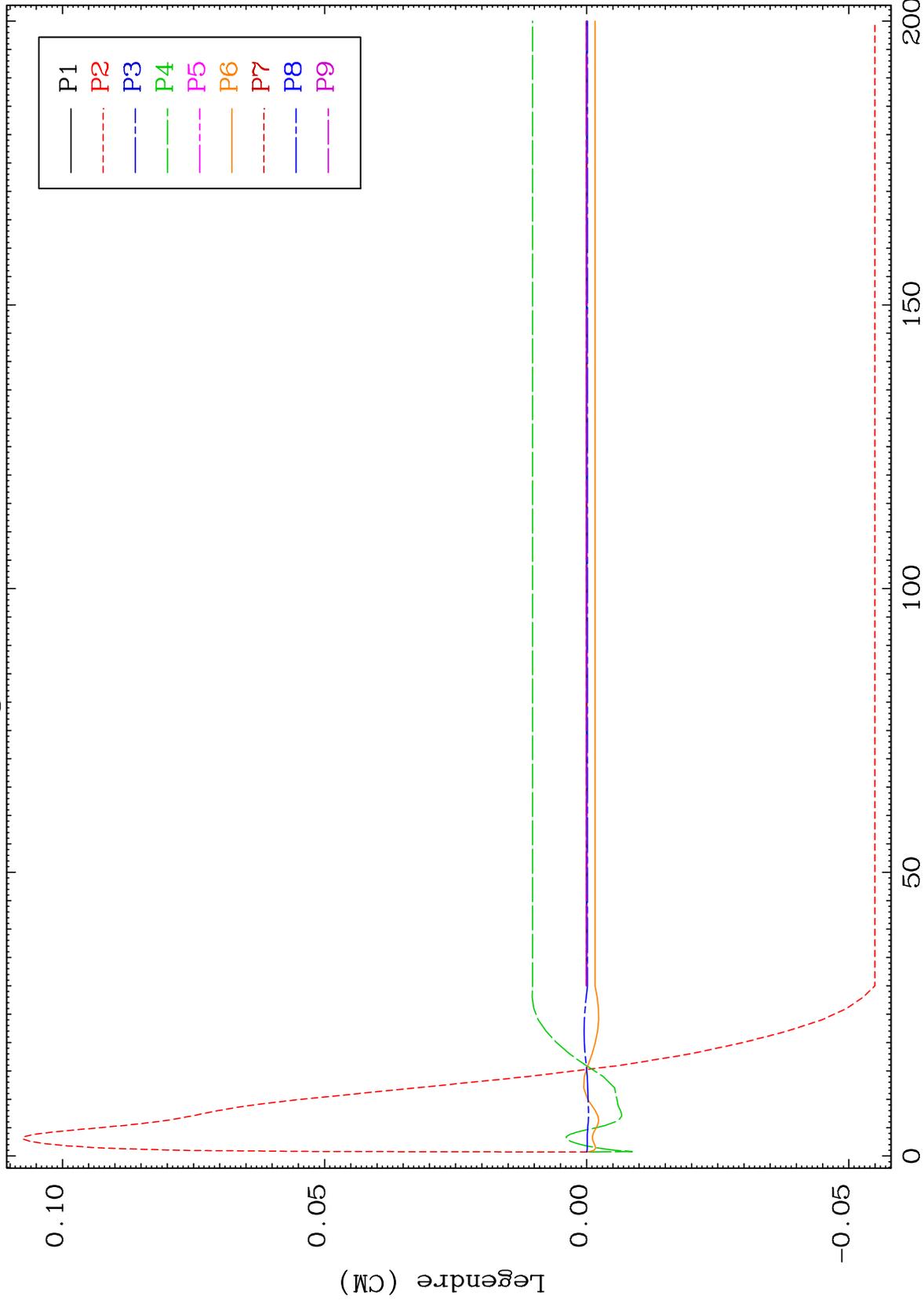
61-Pm-152



MAT 6164

699.8 keV (n,n') Level
Legendre Coefficients

61-Pm-152



111

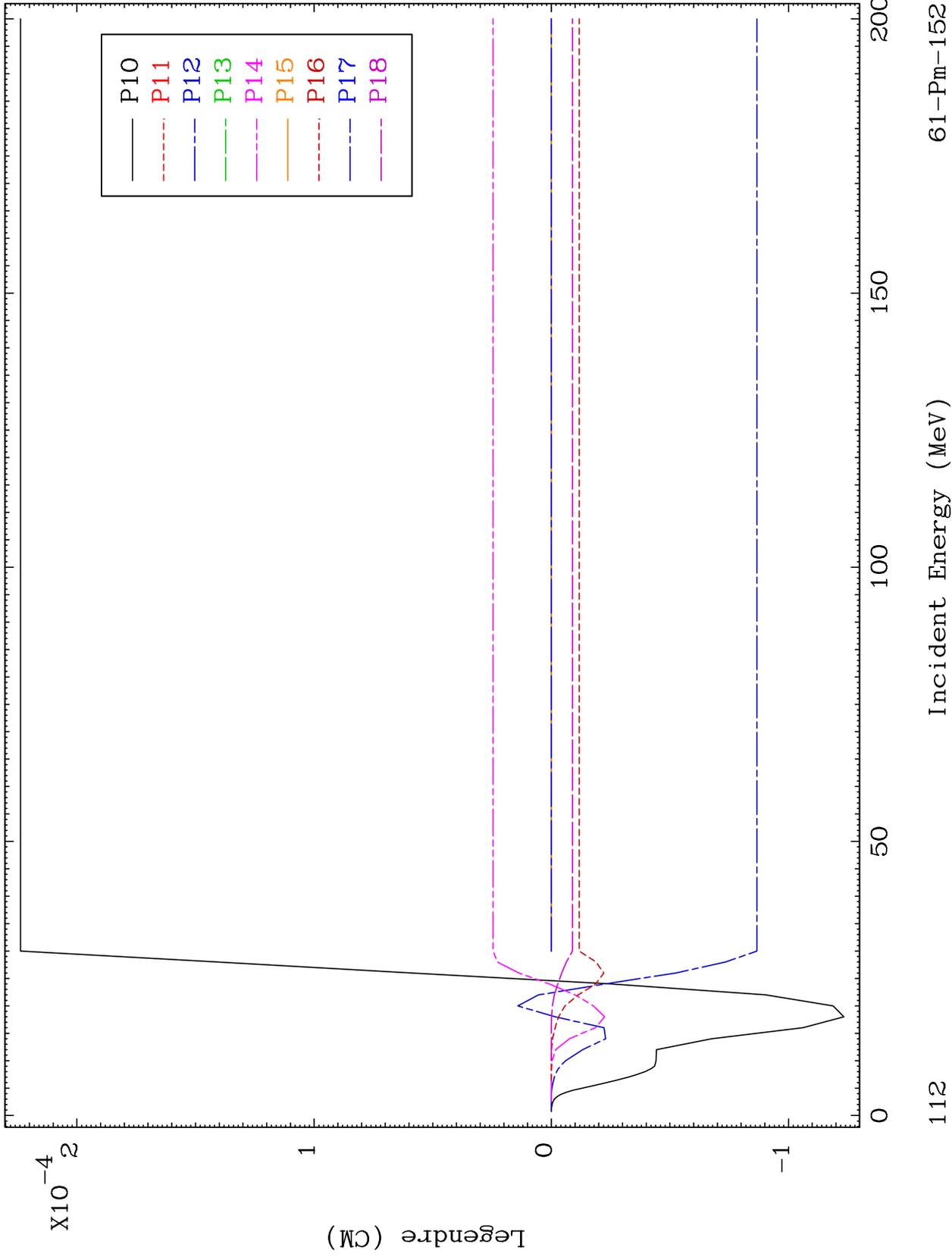
Incident Energy (MeV)

61-Pm-152

MAT 6164

699.8 keV (n,n') Level
Legendre Coefficients

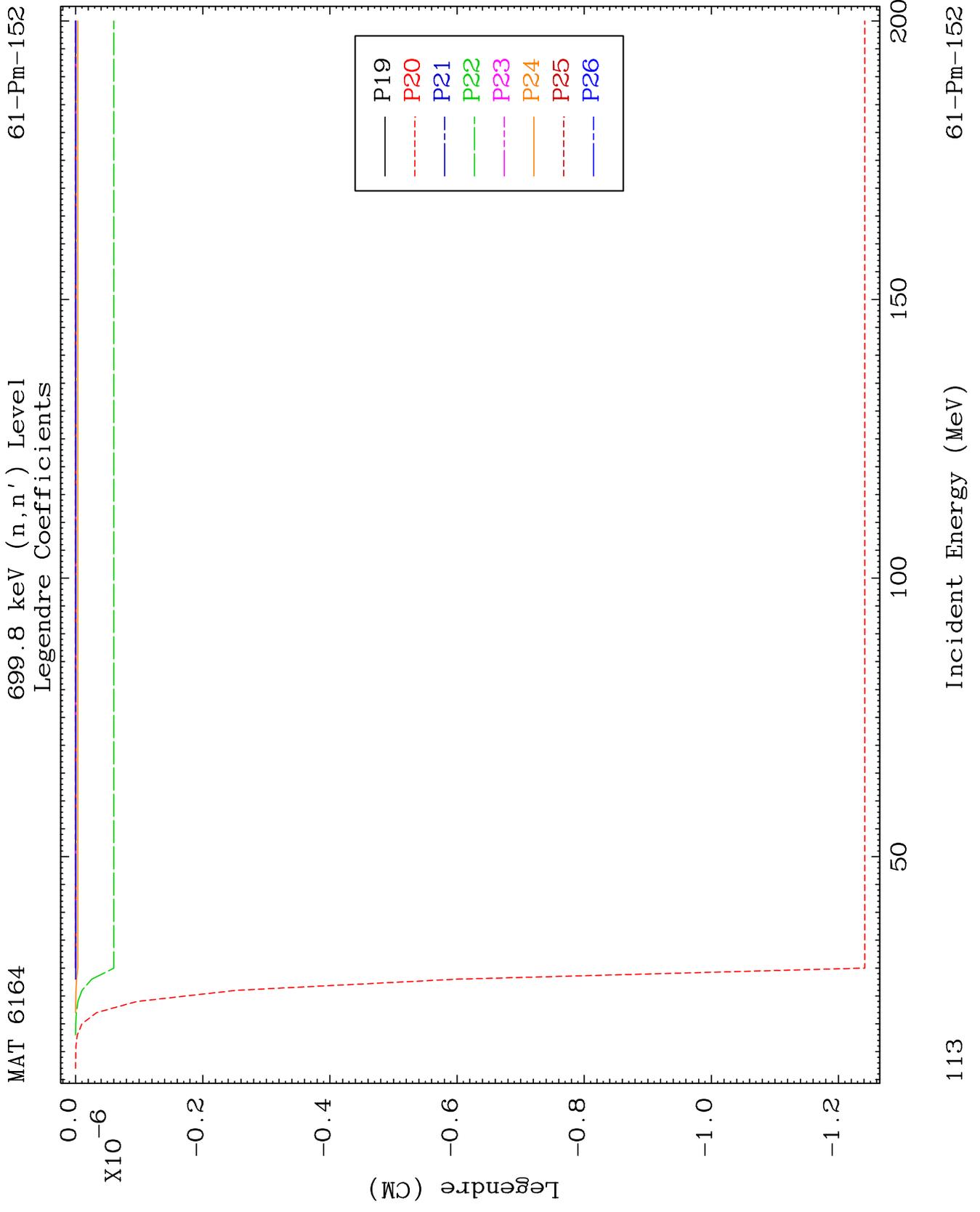
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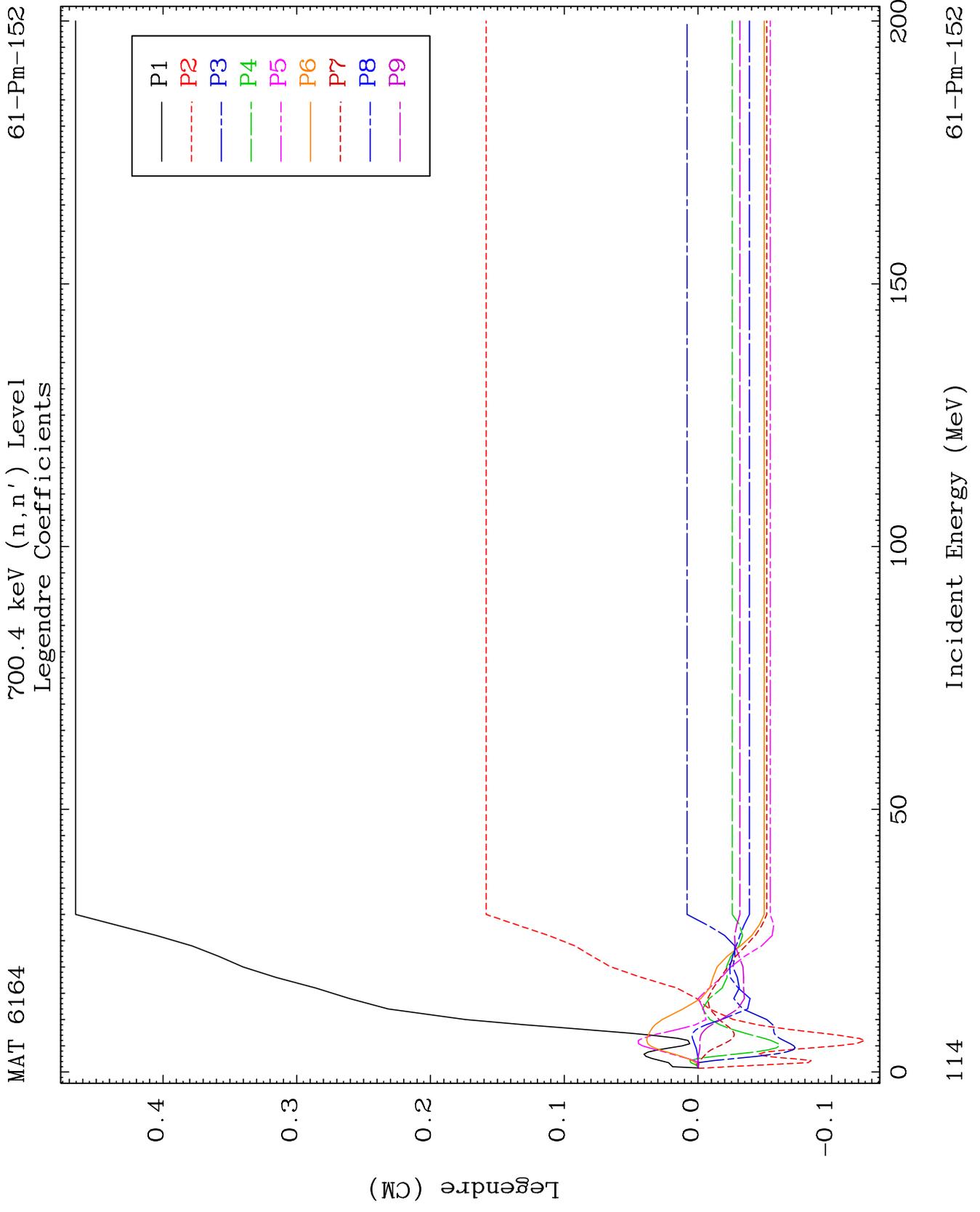


61-Pm-152

Incident Energy (MeV)

112

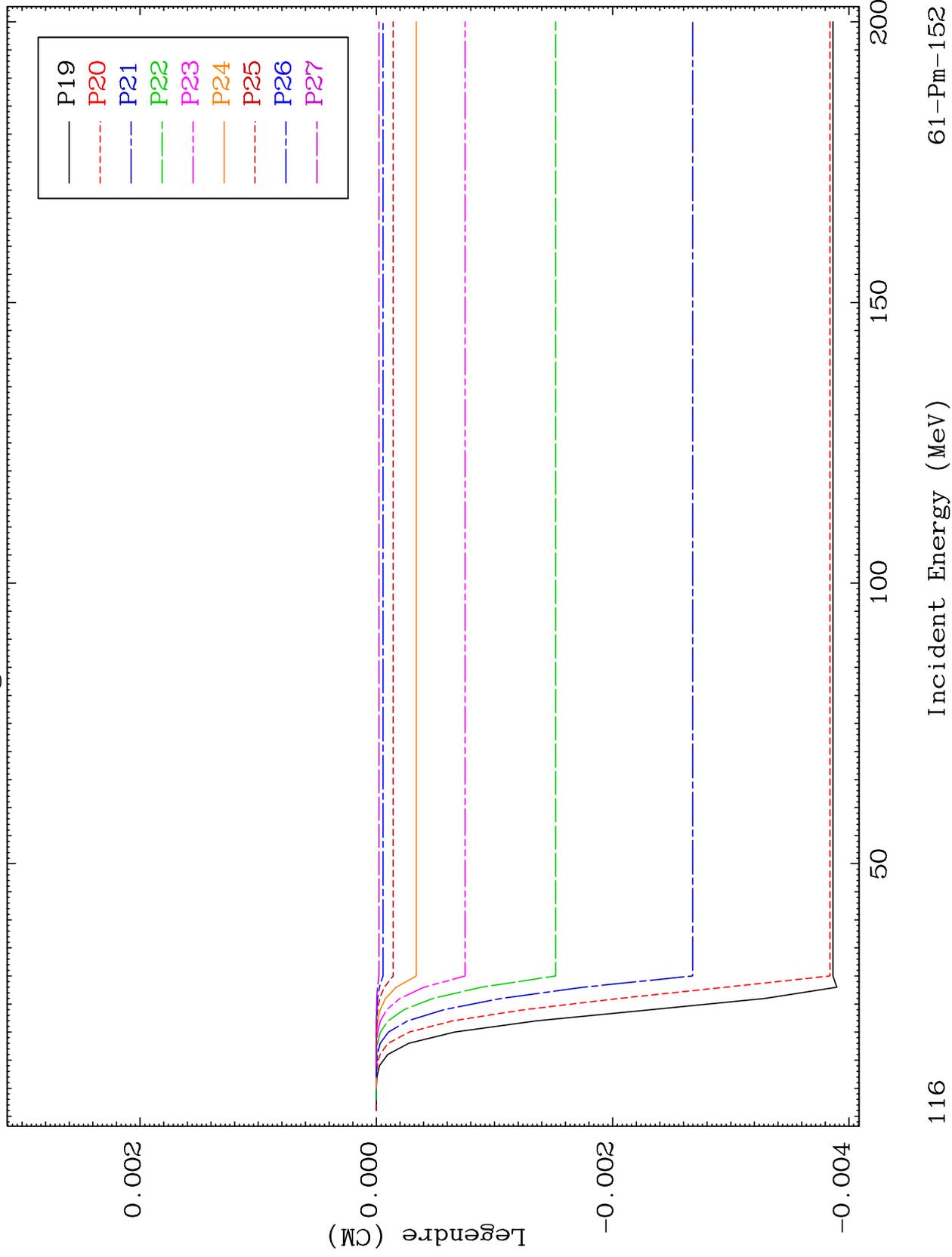




MAT 6164

700.4 keV (n,n') Level
Legendre Coefficients

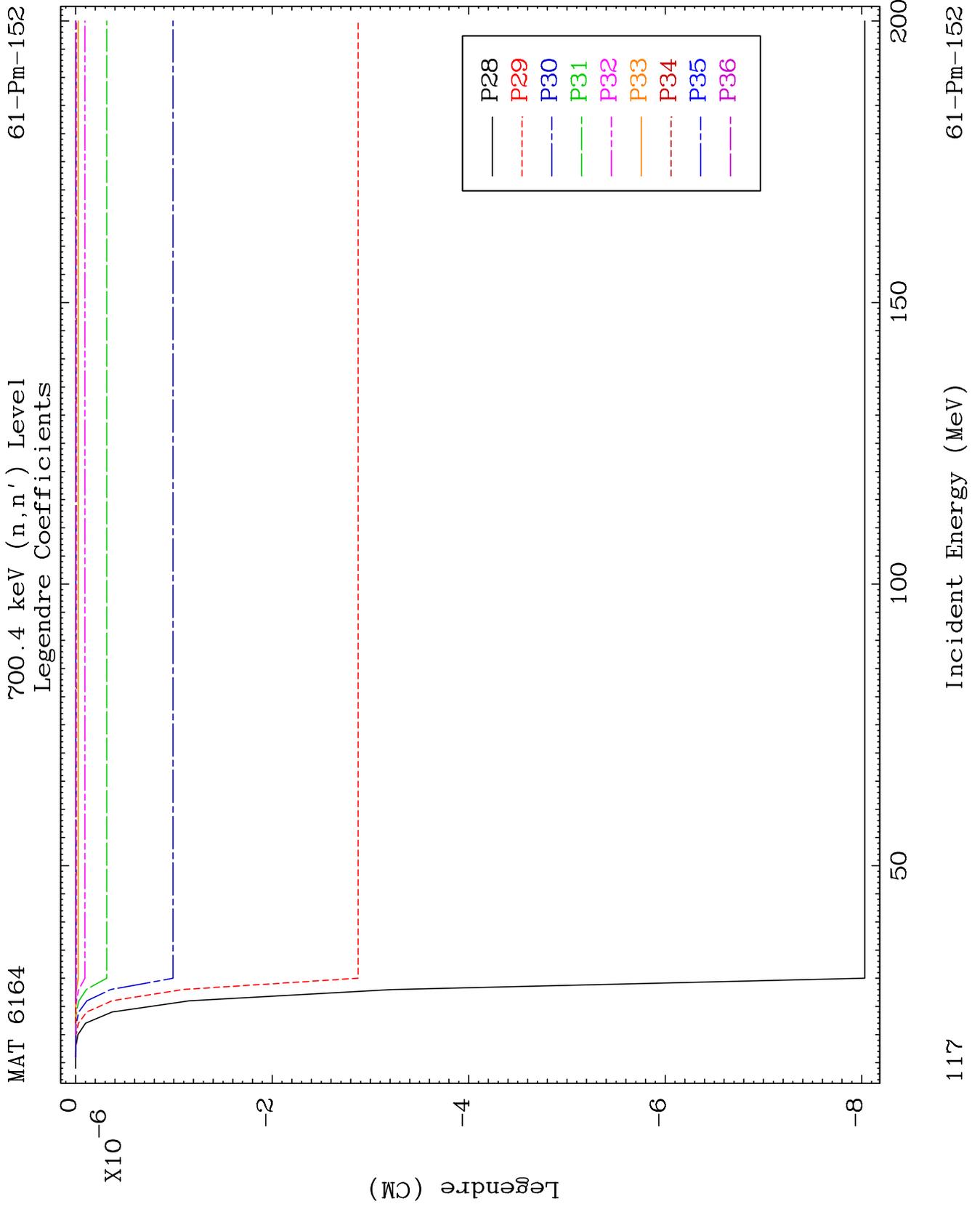
61-Pm-152



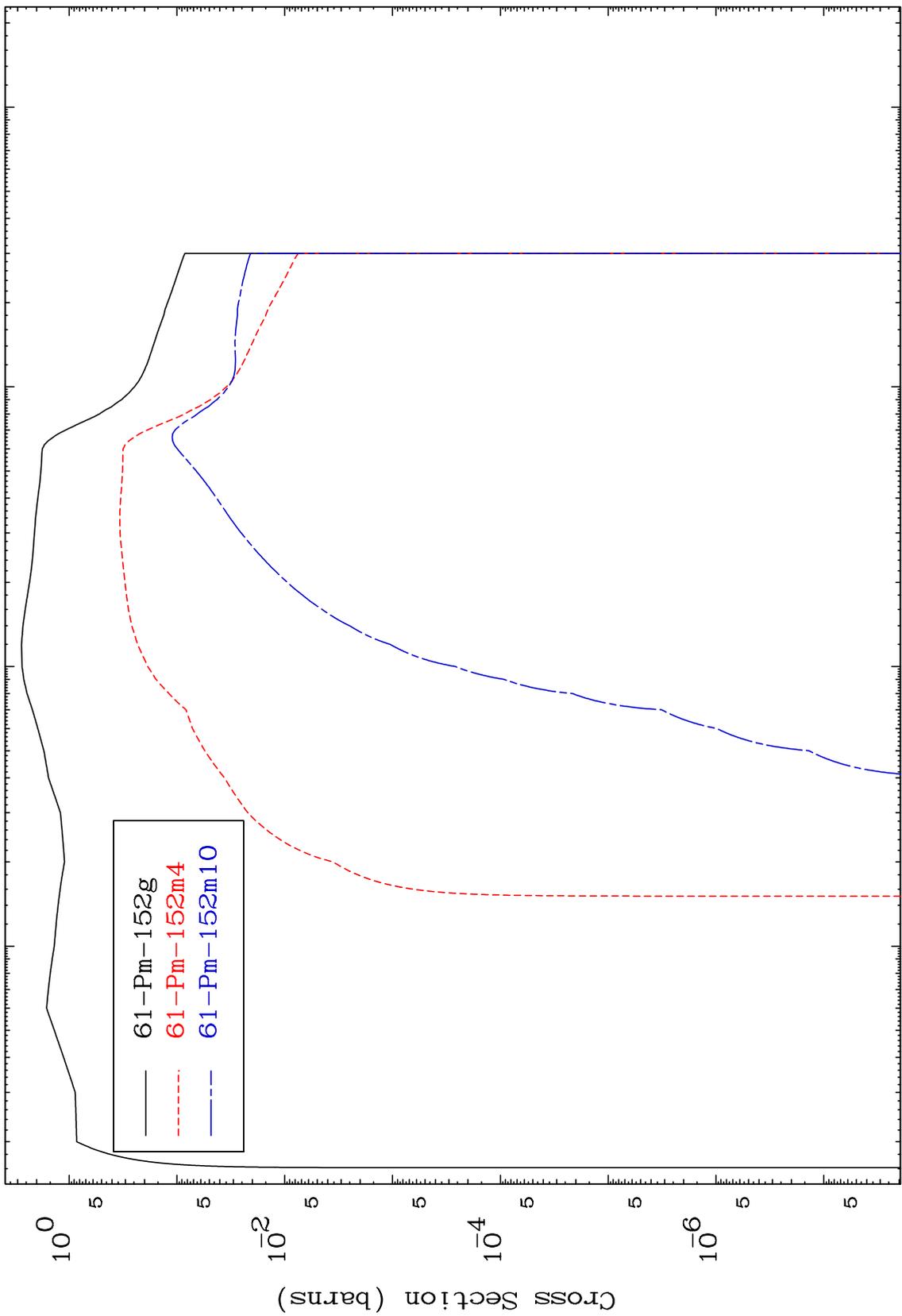
116

Incident Energy (MeV)

61-Pm-152



Inelastic
Radionuclide Production Cross Section



Incident Energy (MeV)

MAT 6164

(n,n') α

61-Pm-152

